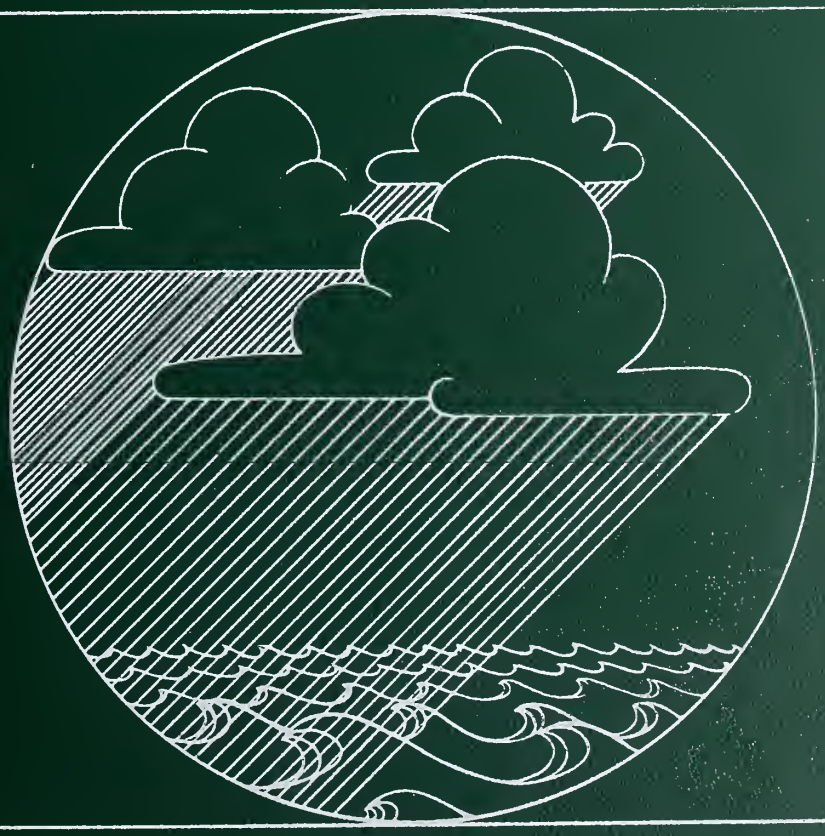
STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

WATER QUALITY MANAGEMENT BASIN PLAN PHASE 1

Rock River Basin



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Organization of Volumes

Volume

I Existing Water Quality

This volume is the main document for the Phase I Plans. It contains the identification of water quality problems of the basin and sets forth an initial interim program to alleviate those problems. It has been arranged by chapters and includes Appendices C, D, and E.

II County Maps (Appendix A)

Discharge points of the wastewater treatment facilities within the basin have been provided on county maps with the related basin and segment lines shown. An additional set of county maps has been included to show the locations of the operating solid waste disposal sites, public water supply treatment facilities that discharge to surface waters and the associated surface water intakes, permitted feedlots, deep well disposal sites, and permitted mines in the basin. Additional information concerning each discharge may be found in Volume III.

III Discharge Information Sheets (Appendix B)

This volume contains a collection of information sheets including wastewater treatment facilities, permitted feedlots, public water supply facilities, deep well disposal sites, permitted mines, and operating solid waste disposal sites. An index to discharges within each county in the basin is provided. Locations of the discharges may be found on the maps in Volume II.

IV Facility Planning Area Maps (Appendix F)

Preliminary FPA boundaries are shown as delineated at this time within the basin. Each county map has been divided into a number of overlapping portions designated A, B, C, etc. and so labeled. The appropriate FPA and corresponding county map for a specific facility may be determined by referring to the information sheet found in Volume III.

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State of Illinois

Environmental Protection Agency

PHASE I

of the

WATER QUALITY MANAGEMENT BASIN PLAN

for the

ROCK RIVER BASIN

Volume I

Existing Water Quality

Printed by the Authority of the State of Illinois

July 1, 1976

Acknowledgement

Water Quality Management Basin Plans for the State of Illinois were prepared by the Illinois Environmental Protection Agency, Division of Water Pollution Control, Planning and Standards Section. We gratefully acknowledge the assistance of other divisions and sections within IEPA that have provided data for this plan. Special acknowledgement goes to the Illinois State Water Survey for providing data used in the preparation of the Physical Description portion of the plan.

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CHAPTER I

INTRODUCTION

The Federal Water Pollution Control Act Amendments of 1972 (P.L. 92-500) constitute one of the most complex and far-reaching pieces of legislation ever to emerge from the U.S. Congress. It establishes highly inter-related programs for setting water quality goals and standards, planning and constructing wastewater treatment facilities, awarding grants for design and construction of municipal sewage facilities, issuing permits for wastewater discharges, and enforcing of the terms of these permits as necessary, and evaluating effects of diffuse "nonpoint" sources of water pollution and developing remedial programs.

In order to provide a mechanism for integrating all of these activities into a well-coordinated overall program, Congress stipulated in Section 303(e) of P.L. 92-500 that each state should maintain a "Continuing Planning Process" for establishing and implementing the state's water quality standards. This Process was to be described in a written submittal to the U.S. Environmental Protection Agency and must be approved by the Regional Administrator of USEPA. Illinois received full USEPA approval of its CPP on September 12, 1975. The version of the CPP which was approved on that date was predicated on an interpretation of P.L. 92-500 which required the Process to provide satisfaction of all the requirements of Section 303(e) and related provisions for all areas of the state. It did not consider that all of the requirements of Section 208 must be satisfied in all areas, but rather that the 208 requirements necessarily applied only in those areas designated for more detailed and comprehensive planning under the provisions of Section 208. It was also conceived that the more rigorous requirements of Section 208 were the responsibility of the areawide planning agency designated under provision of Section 208, and not of the state.

The planning required to be completed prior to July 1, 1976, known as "Phase I plans," are described in 40 CFR Parts 130 and 131, "Water Quality Management Basin Plans," promulgated on June 30, 1974.

This document has been prepared to satisfy the need for Phase I planning. It is anticipated that considerable use will be made of this plan during subsequent "Phase II" planning efforts.

In the matter of Natural Resources Defense Council, Inc. et. al. vs. Russell E. Train et. al., Civil Action No. 74-1485, the U.S. District Court for the District of Columbia ruled on June 5, 1975 that the planning and management requirements of Section 208 apply

in all areas of the state, and that in those areas where designations of local planning agencies under Section 208 have not been made, the state is the responsible agency for conducting the planning. The Court also ruled that federal grant assistance under Section 208 may be awarded to the states for conduct of the required planning programs. This too was a reversal of USEPA's policy. As a result of this ruling, USEPA has revised its regulations to provide the following:

1. The state, as represented by a water quality planning agency designated by the Governor, has the ultimate authority and responsibility for water quality management planning in all areas of the state, designated or not.

2. The state may delegate all or portions of this authority to other units of government either by designation or by agreement. The chief difference will lie in the relationship of the agency receiving the authority with the USEPA.

3. All of the planning requirements set forth in either Section 303(e) or Section 208 must be satisfied and the plans adopted and submitted to USEPA for federal approval by November 1, 1978.

4. Although some federal grant assistance will be available to support the planning effort, insufficiency of federal funds will not relieve the state of the responsibility to carry out the required planning, in the eyes of the USEPA.

Water quality management planning completed between July 1, 1976 and November 1, 1978 is considered to be part of Phase II.

Overview of the Illinois Water Pollution Control Program

The basic framework for the water pollution control activities of Illinois state government is established by the Environmental Protection Act of 1970, as amended (EP Act). This statute lays out the fundamental authorities and responsibilities of the three state agencies most directly involved in water pollution control in Illinois. It is the express purpose of the EP Act to establish a unified statewide program, supplemented by private remedies, to restore, protect, and enhance the quality of the environment, and to assure that adverse effects upon the environment are fully considered and borne by those who cause them.

Pollution Control Board

The Pollution Control Board, consisting of five full-time members appointed to staggered, three-year terms by the Governor, establishes regulations (including water quality standards), acts as the court of original jurisdiction in the enforcement of the Act and Board Regulations, and grants variances of limited duration from provisions of the Act or Regulations when justified.

The regulations adopted by the Board set forth the primary requirements to be met in order that the state's environmental objectives be achieved. Careful review of these regulations, particularly Chapter 1: Procedural Rules and Chapter 3: Water Pollution is necessary in order to fully understand the state's water pollution control program.

Chapter 3: Water Pollution sets forth a comprehensive regulatory foundation for achievement of the state's water quality objectives. It establishes water quality standards for various categories of stream use; it designates water uses for all waters of the state; it defines effluent standards which represent a uniform minimum level of effluent quality which must be achieved irrespective of water quality effects, along with schedules for compliance; it sets forth monitoring and reporting requirements and certain basic design criteria for facilities which have the potential to cause water pollution; it prohibits the discharge of wastes from watercraft; it establishes requirements for various categories of permits, including those for construction of treatment facilities and for state-issued NPDES permits; it prescribes a regional approach to sewage treatment for DuPage County; and it provides a requirement for state-certified wastewater treatment operators for every treatment facility in Illinois.

Chapter 4: Mine Related Pollution sets forth special regulatory requirements for mines, quarries, and gravel pits. Chapter 5: Agriculture Related Pollution provides control over livestock wastes. Chapter 6: Public Water Supply establishes, among other things, raw water quality standards for public water supplies. Chapter 7: Solid Waste contains rules and regulations for the proper disposal of solid wastes.

An important feature of Illinois' environmental laws which is not found in the federal law is the variance provision. Upon a formal demonstration of arbitrary or unreasonable hardship, the Pollution Control Board may grant a variance from the limitations of the Environmental Protection Act or Board Regulations. In cases where an NPDES permit is involved, variances may be for as long as five years; in all other cases a one-year limit is placed on the term of the variance. Reporting requirements and performance bonds are frequently made conditions of a variance. Obviously, the Board may not grant a variance in conflict with federal law.

It should be noted that all important Board actions occur at public meetings and usually are based on records of one or more public hearings. The Environmental Register is published regularly to inform the public of Board actions and matters pending before the Board. Thus, the vital policy-making role of the Pollution Control Board is constantly exposed to public scrutiny and input, and this public participation profoundly affects the conduct of the entire water pollution program, not only by the Board, but also by the Environmental Protection Agency which is bound by the regulatory, enforcement, and variance actions of the Board.

Environmental Protection Agency

The Environmental Protection Act created the Illinois Environmental Protection Agency (IEPA) as the enforcement and service arm of the state's environmental apparatus. In this role, IEPA is responsible for implementation of the regulations set by the Board, and functions as the state water pollution control agency for the purposes of P.L. 92-500. The Agency conducts or coordinates the various planning programs called for by the Federal Act; it administers both the federal municipal sewage treatment facilities construction grant program and a parallel state grant program; it issues permits for the construction and operation of wastewater sources and treatment facilities; it conducts a comprehensive program of surveillance and monitoring of both discharges and ambient water quality; it assists in training wastewater treatment operators and certifies those operators according to Board regulations; it investigates violations of the Act and regulations and takes appropriate enforcement actions, including referral to the Attorney General or USEPA when voluntary compliance does not occur; it reviews Board standards

and regulations and recommends appropriate amendments when needed; and it performs numerous other related functions as a part of the overall water pollution control program. A more detailed description of the Agency's water pollution control activities can be found in the state's annual Program Plan.

Institute for Environmental Quality

The third agency created by the Environmental Protection Act is the Institute for Environmental Quality. This organization is charged with providing support to the Board and IEPA in the form of applied research, relevant data, and policy recommendations. The Institute also functions as the environmental education coordinator for the state. A comprehensive library of environmental materials is maintained by the Institute for public use.

The State Program in the Federal Context

Illinois has long been recognized as a leader among states in the control of water pollution. The reversal of flow of the Chicago River to divert its polluted waters away from Lake Michigan in 1900 has been recognized as one of the greatest engineering feats of all time. The adoption of the Sanitary Water Board Act in 1929 made control of water pollution a universal requirement in Illinois. A requirement for a state construction permit for wastewater treatment facilities was made law in 1951. The Environmental Protection Act of 1970 preceded by nearly three years the establishment of a correspondingly comprehensive program for water pollution control at the federal level. When secondary treatment became a minimum requirement of federal law in 1972, over 99 percent of Illinois discharges were already in compliance with that requirement.

The adoption of the Federal Water Pollution Control Act Amendments of 1972 (P.L. 92-500) has established several new dimensions to water pollution control programs in virtually every state, including Illinois. Among the most important of these dimensions are the recognition of the importance of sound institutional arrangements for implementation of the required programs at the local level, and the acknowledgement of the significant role played by nonpoint sources of pollutants in the degradation of our streams and lakes. P.L. 92-500 also recognizes the importance from the management decision-making standpoint of having comprehensive and well-organized formal plans to guide the progress of the program. It is these new dimensions that lie at the heart of the Water Quality Management Planning Program to be carried out in Phase II.

Purpose and Scope of Water Quality Planning in Illinois

Through the years, a variety of programs and activities have evolved both in Illinois and nationally which have been directed at prevention or elimination of water pollution. Generally, these programs and activities have been carried out with less coordination than is desirable. One of the purposes for establishment of a water quality planning process, such as the one described here, is the provision of a framework for more effective integration of these various programs and activities, and to establish a mechanism by which the important decisions, made in these programs, will be better coordinated.

It follows, then, that the prime purpose of water quality planning in Illinois is: to provide decision makers with an up-to-date assessment of water quality and with program management information necessary to make centralized and coordinated decisions; to encourage water quality objectives which take into account overall state policies and programs; and to furnish strategic guidance for developing an annual program plan.

More specifically, the purpose of this Phase I plan is to identify water quality problems of the basin under study and to set forth an initial interim program to alleviate those problems. Using the best available monitoring and surveillance data, the following areas of water quality have been analyzed:

1. Identification of problems
   Assessment of existing water quality in relation to the currently applicable water quality standards; location of point sources of pollution and, where possible, non-point sources of pollution;

2. Assessment of needs and waste load reduction requirements
   Assessment of abatement needs and establishment of effluent limitations to reduce the pollutional load on streams and to achieve compliance with applicable water quality standards;

3. Schedule of actions
   Setting forth compliance schedules where state and National Pollutant Discharge Elimination System permits have been issued or target abatement dates where permits have not been issued;

4. Planning needs
   Identifying Section 201 facilities planning areas and particular problems of the basin requiring further planning;

5. Water Quality Indices
   Summary and discussion of Water Quality Indices as developed by IEPA using four water quality parameters (dissolved oxygen, fecal coliform, total dissolved solids and ammonia nitrogen);

6. Aquatic Life Surveys
   Summary and discussion of aquatic life surveys performed by the IEPA and its contractors on Illinois streams;

7. Maps of Counties/Basins
   Basin maps, by counties, with accurate information on the location of discharges, landfills, public water supplies, feedlots, mines, waste disposal wells, USGS gaging stations and Illinois EPA water quality sampling stations;

8. Soil Erosion/Lakes
   Discussion of sediment/soil erosion and the problems relating to sedimentation of Illinois lakes.

Because the requirements reflected in this Phase I plan represent a straightforward application of existing Pollution Control Board Regulations on a case-by-case basis, this Phase I plan will be more useful as a reference document than as an exposition of any new policies. While planning under Phase II could modify some of these requirements substantially, the actions and timetables prescribed here should be viewed as legally binding and therefore required for immediate implementation. It would be unwise to assume for any given case that these point source controls will prove unnecessary.

State Authority for Planning

Section 4 of the Illinois Environmental Protection Act as amended (Ill. Rev. Stat., Chap. 111 1/2, Sec. 1001 et seq.) assigns responsibility for defining the state's Continuing Planning Process and for conduct of federally-mandated water quality planning to the Illinois Environmental Protection Agency. Certain functions such as setting of water quality standards and granting of variances have been assigned to the Pollution Control Board, however, and the authority of IEPA is limited by these assignments of specific planning-related functions to the Board.

USEPA regulations require the Governor to designate a single state agency to be responsible for the conduct and coordination of the required planning under Sections 303(e) and 208 of P.L. 92-500. Accordingly, IEPA was so designated on February 26, 1976 by the Governor.

CHAPTER II

OVERVIEW AND RECOMMENDATIONS

Analyses have been made of the water quality of the streams in this basin with a view to determine the violations of the Illinois Water Quality Standards, the probable or possible causes of the violations and the violations that will remain after point source controls are operational. Phase II, planning performed between July 1, 1976 and November 1, 1978, of the water quality management plan will determine the measures necessary to achieve the water quality goals required by the Illinois Environmental Protection Act and the Federal Water Pollution Control Act Amendments of 1972.

Test results of stream water samples obtained by IEPA during 1975 were used to identify the parameters violated at each of the water quality sampling stations in the basin. Information used to determine the probable causes of the water quality violations consisted primarily of the results of effluent sample tests made by IEPA during the year; self-monitoring of pollutant discharges for which National Pollutant Discharge Elimination System (NPDES) permits have been issued; permitted coal mines, feedlots, landfills, and water treatment plant waste discharges which have permits; other known point sources; precipitation and stream flow records; and pertinent reports and sampling studies by others which identify pollution sources.

The 1977 Water Quality Standards

The Illinois water quality standards are contained in Chapter 3 of the IPCB Regulations - Part 2. The entire Part 2 is included below for clarity in confirming the 1977 Water Quality Standards.

Best Management Practices, NPDES permit limits and monitoring programs, waste load allocations and others to be defined will be predicated on the use of these standards.

PART II: WATER QUALITY STANDARDS (IPCB Regulations, Chapter 3)

This part of the rules and regulations concerning water pollution describes the water quality standards that must be met to maintain the specified beneficial uses. References to STORET numbers identify the specific parameter as defined in the STORET system Handbook published by the Federal Environmental Protection Agency.

201 Mixing Zones

(a) In the application of any of the rules and regulations in this Chapter, whenever a water quality standard is more restrictive than its corresponding effluent standard then an opportunity shall be allowed for the mixture of an effluent with its receiving waters. Water quality standards must be met at every point outside of the mixing zone. The size of the mixing zone cannot be uniformly prescribed. The governing principle is that the proportion of any body of water or segment thereof within mixing zones must be quite small if the water quality standards are to have any meaning. This principle shall be applied on a case-by-case basis to ensure that neither any individual source nor the aggregate of sources shall cause excessive zones to exceed the standards. The water quality standards must be met in the bulk of the body of water, and no body of water may be used totally as a mixing zone for a single outfall or combination of outfalls. Moreover, except as otherwise provided in this Chapter, no single mixing zone shall exceed the area of a circle with a radius of 600 feet. Single sources of effluents which have more than one outfall shall be limited to a total mixing area no larger than that allowable if a single outfall were used.

In determining the size of the mixing zone for any discharge, the following must be considered:

1. The character of the body of water,

2. the present and anticipated future use of the body of water,

3. the present and anticipated water quality of the body of water,

4. the effect of the discharge on the present and anticipated future water quality,

5. the dilution ratio, and

6. the nature of the contaminant.

(b) In addition to the above, the mixing zone shall be so designed as to assure a reasonable zone of passage for aquatic life in which the water quality standards are met. The mixing zone shall not intersect any area of any such waters in such a manner that the maintenance of aquatic life in the body of water as a whole would be adversely affected, nor shall any mixing zone contain more than 25% of the cross-sectional area or volume of flow of a stream except for those streams where the dilution ratio is less than 3:1.

202 Stream Flows

Except as otherwise provided in this Chapter with respect to temperature, the water quality standards in this Part shall apply at all times except during periods when flows are less than the average minimum seven day low flow which occurs once in ten years.

203 General Standards

The General Standards listed below will protect the State's water for aquatic life, agricultural use, primary and secondary contact use, and most industrial uses, and ensure the aesthetic quality of the State's aquatic environment. Except as otherwise provided in this Chapter, all waters of the State shall meet the following standards:

(a) Freedom from unnatural sludge or bottom deposits, floating debris, visible oil, odor, unnatural plant or algal growth, unnatural color or turbidity, or matter in concentrations or combinations toxic or harmful to human, animal, plant or aquatic life of other than natural origin.

(b) pH (STORET number - 00400) shall be within the range of 6.5 to 9.0 except for natural causes.

(c) Phosphorus (STORET number - 00665): Phosphorus as P shall not exceed 0.05 mg/l in any reservoir or lake, or in any stream at the point where it enters any reservoir or lake.

(d) Dissolved oxygen (STORET number - 00300) shall not be less than 6.0 mg/l during at least 16 hours of any 24 hour period, nor less than 5.0 mg/l at any time.

(e) Radioactivity:

(1) Gross beta (STORET number -03501) concentration shall not exceed 100 pico curies per liter (pCi/l).

(2) Concentrations of radium 226 (STORET number - 09501) and strontium 90 (STORET number - 13501) shall not exceed 1 and 2 pico curies per liter respectively.

(f) The following levels of chemical constituents shall not be exceeded:

CONSTITUENT	STORET NUMBER	CONCEN-TRATION (mg/l)
Ammonia Nitrogen (as N)	00610	1.5
Arsenic (total)	01000	1.0
Barium (total)	01005	5.0
Boron (total)	01020	1.0
Cadmium (total)	01025	0.05
Chloride	00940	500.
Chromium (total hexavalent)	01032	0.05
Chromium (total trivalent)	01033	1.0
Copper (total)	01040	0.02
Cyanide	00720	0.025
Fluoride	00950	1.4
Iron (total)	01045	1.0
Lead (total)	01049	0.1
Manganese (total)	01055	1.0
Mercury (total)	71900	0.0005
Nickel (total)	01065	1.0
Phenols	32730	0.1
Selenium (total)	01145	1.0
Silver (total)	01075	0.005
Sulfate	00945	500.
Total Dissolved Solids	00515	1000.
Zinc	01090	1.0

(g) Based on a minimum of five samples taken over not more than a 30-day period, fecal coliforms (STORET number - 31616) shall not exceed a geometric mean of 200 per 100 ml, nor shall more than 10% of the samples during any 30-day period, exceed 400 per 100 ml.

(h) Any substance toxic to aquatic life shall not exceed one-tenth of the 48-hour median tolerance limit (48-hr. TLm) for native fish or essential fish food organisms.

(i) Temperature (STORET number (F^o) 00011 and (C^o) 00010):

(1) There shall be no abnormal temperature changes that may adversely affect aquatic life unless caused by natural conditions.

(2) The normal daily and seasonal temperature fluctuations that existed before the addition of heat due to other than natural causes shall be maintained.

(3) The maximum temperature rise above natural temperatures shall not exceed 5° F.

(4) In addition, the water temperature at representative locations in the main river shall not exceed the maximum limits in the following table during more than one percent of the hours in the 12-month period ending with any month. Moreover, at no time shall the water temperature at such locations exceed the maximum limits in the following table by more than 3° F (with respect to the lower Des Plaines River from the I-55 Bridge to its confluence with the Kankakee River four percent of the hours by more than 5° F.).

	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
Mississippi River (Wisc. Border to Iowa Border) (°F)	45°	45°	57°	68°	78°	85°	86°	86°	85°	75°	65°	52°
Mississippi River (Iowa Border to Alton Lock and Dam) (°F)	45°	45°	57°	68°	78°	86°	88°	88°	86°	75°	65°	52°
Mississippi River (So. of Alton Lock & Dam) (°F)	50°	50°	60°	70°	80°	87°	89°	89°	87°	78°	70°	57°
Ohio River (°F)	50°	50°	60°	70°	80°	87°	89°	89°	87°	78°	70°	57°
Wabash River & its inter-state tribu-taries (°F)	50°	50°	60°	70°	80°	90°	90°	90°	90°	78°	70°	57°
Lower Des Plaines River from the I-55 Bridge to its confluence with the Kankakee River (°F)	60°	60°	70°	77°	85°	90°	90°	90°	90°	90°	76°	70°
Other Waters (°F)	60°	60°	60°	90°	90°	90°	90°	90°	90°	90°	90°	60°

Main River temperatures are temperatures of those portions of the river essentially similar to and following the same thermal regime as the temperatures of the main flow of the river.

(5) The owner or operator of a source of heated effluent which discharges 0.5 billion British thermal units per hour or more shall demonstrate in a hearing before this Board not less than 5 nor more than 6 years after the effective date of these regulations or, in the case of new sources, after the commencement of operation, that discharges from that source have not caused and cannot be reasonably expected to cause significant ecological damage to the receiving waters. If such proof is not made to the satisfaction of the Board appropriate corrective measures shall be ordered to be taken within a reasonable time as determined by the Board.

(6) Permits for heated effluent discharges, whether issued by the Board or the Environmental Protection Agency, shall be subject to revision in the event that reasonable future development creates a need for reallocation of the assimilative capacity of the receiving stream as defined in the regulation above.

(7) The owner or operator of a source of heated effluent shall maintain such records and conduct such studies of the effluents from such source and of their effects as may be required by the Environmental Protection Agency or in any permit granted under the Environmental Protection Act.

(8) Appropriate corrective measures will be required if, upon complaint filed in accordance with Board rules, it is found at any time that any heated effluent causes significant ecological damage to the receiving stream.

(9) The preceding temperature provisions regarding the Lower Des Plaines River from the I-55 Bridge to its confluence with the Kankakee River shall be null and void after July 1, 1978.

(10) All effluents to an artificial cooling lake must comply with the applicable provisions of the

thermal water quality standards as set forth in Rule 203(i), except when all of the following requirements are met:

(aa) All discharges from the artificial cooling lake to other waters of the State comply with the applicable provisions of Rule 203(i)(1-4).

(bb) The heated effluent discharged to the artificial cooling lake complies with all other applicable provisions of this Chapter, except Rule 203(i)(1-4).

(cc) At a regulatory hearing, the discharger shall satisfactorily demonstrate to the Board that the artificial cooling lake receiving the heated effluent will be environmentally acceptable, and within the intent of the Act, including, but not limited to:

(1) provision of conditions capable of supporting shellfish, fish, and wildlife, and recreational uses consistent with good management practices, and

(2) control of the thermal component of the discharger's effluent by a technologically feasible and economically reasonable method.

(dd) The required showing in Rule 203(i)(10)(cc) may take the form of an acceptable final environmental impact statement or pertinent provisions of environmental assessments used in the preparation of the final environmental impact statement, or may take the form of a showing pursuant to §316(a) of the FWPCA, which addresses the requirements of Rule 203(i)(10)(cc).

(ee) If an adequate showing as provided in Rule 203(i) (10) (cc) is found, the Board shall promulgate specific thermal standards to be applied to the discharge to that artificial cooling lake.

(11) Exceptions to Rule 203(i):

(aa) Lake Clinton:
The thermal discharge to Lake Clinton shall meet the following standards and conditions:

(1) The effluent temperature shall not exceed 96° F.

(2) All conditions adopted by Board Order in PCB 75-31 (July 31, 1975).

203.1 Exceptions to Rule 203

(a) The fluoride standard of Rule 203(f) shall not apply to waters of the State which:

(1) receive effluent from the mines and mills of the fluorspar mining and concentrating industry, and

(2) have been designated by the Illinois State Water Survey as streams which once in ten years have an average minimum seven day low flow of zero.

Such waters shall meet the following standard with regard to fluoride:

Constituent	Storet Number	Concentration (mg/l)
Fluoride	00950	5

204 Public and Food Processing Water Supply

In addition to the General Standards, waters designated in Part III of this Chapter for public and food processing water supply shall meet the following standards at any point at which water is withdrawn for treatment and distribution as a potable supply or for food processing except that such standards, including the General Standards, may be exceeded if such occurrence results from the application of an algicide in accordance with the terms of an Algicide Permit issued by the Agency under Chapter VI, Rule 203 and 204(d) of these Rules and Regulations.

(a) Water shall be of such quality that with treatment consisting of coagulation, sedimentation, filtration, storage and chlorination, or other equivalent treatment processes, the treated water shall meet in all respects the requirements of Table I, Rule 304, of Chapter 6 of these Rules and Regulations.

(b) The following levels of chemical constituents shall not be exceeded:

CONSTITUENT	STORET NUMBER	CONCENTRATION (mg/l)
Arsenic (total)	01000	0.1
Barium (total)	01005	1.0
Cadmium (total)	01025	0.010
Chloride	00940	250.
Chromium	01034	0.05
Foaming Agents	38260	0.5
Iron (total)	01045	0.3
Lead (total)	01049	0.05
Manganese (total)	01055	0.05
Nitrate-Nitrogen	00620	10.
Nitrite-Nitrogen	00615	1.
Oil (hexane-solubles or equivalent)	00550	0.1
Organics		
Carbon Adsorbable		
Carbon Chloroform		
Extract (CCE_m)	32005	0.7*
Pesticides		
Chlorinated Hydrocarbon		
Insecticides		
Aldrin	39330	0.001
Chlordane	39350	0.003
DDT	39370	0.05
Dieldrin	39380	0.001
Endrin	39390	0.0005
Heptachlor	39410	0.0001
Heptachlor Epoxide	39420	0.0001
Lindane	39782	0.005
Methoxychlor	39480	0.1
Toxaphene	39400	0.005
Organophosphate Insecticides		
Parathion	39540	0.1
Chlorophenoxy Herbicides		
2,4-Dichlorophenoxy-Acetic acid (2,4-D)	39730	0.02
2, 4, 5-Trichlorophenoxy-proprionic acid (2,4,5-TP or Silvex)	39760	0.01
Phenols	32730	0.001
Selenium (total)	01145	0.01
Sulfates	00945	250.
Total Dissolved Solids	00515	500.

*The subscript "m" is used to denote that this parameter is determined by using an improved miniaturized sampler and extraction technique.

(c) Other contaminants that will not be adequately reduced by the treatment processes noted in paragraph (a) of this Rule shall not be present in concentrations hazardous to human health.

205 Secondary Contact and Indigenous Aquatic Life Standards

Waters designated in Part III of this Chapter for Restricted Use shall meet the following standards:

(a) Freedom from unnatural sludge or bottom deposits, floating debris, visible oil, odor, unnatural plant or algal growth, or unnatural color or turbidity.

(b) pH (STORET number - 00400) shall be within the range of 6.0 to 9.0 except for natural causes.

(c) Dissolved oxygen (STORET number - 00300) shall not be less than 3.0 mg/l during at least 16 hours in any 24-hour period, nor less than 2.0 mg/l at any time, and after December 31, 1977 shall not be less than 4.0 mg/l at any time.

(d) Based on a minimum of five samples taken over not more than a 30-day period, fecal coliforms (STORET number - 31616) shall not exceed a geometric mean of 1,000 per 100 ml, nor shall more than 10% of the samples during any 30-day period exceed 2,000 per 100 ml.

(e) Concentrations of other substances shall not exceed the applicable effluent standards prescribed in Part IV of this Chapter.

(f) Temperature (STORET numbers - (^{o}F) 00011 and (^{o}C) 00010) shall not exceed 93°F (34°C) more than 5% of the time, or 100°F (37.8^{o}C) at any time.

206 Lake Michigan

The waters of Lake Michigan shall meet the following standards in addition to the General and Public and Food Processing Water Supply Standards:

(a) Dissolved oxygen (STORET number - 00300) shall not be less than 90% of saturation except due to natural causes.

(b) pH (STORET number - 00400) shall be within the range of 7.0 to 9.0 except for natural causes.

(c) The following levels of chemical constituents shall not be exceeded:

CONSTITUENT	STORET NUMBER	CONCEN-TRATION (mg/l)
Ammonia Nitrogen	00610	0.02
Chloride	00940	12.0
Sulfate	00945	24.0
Phosphorus (as P)	00665	0.007
Total Solids (Dissolved)	00515	180.0

(d) Based on a minimum of five samples taken over not more than a 30-day period, fecal coliforms (STORET number - 31616) shall not exceed a geometric mean of 20 per 100 ml.

(e) Temperature (STORET numbers - (^{o}F) 00011 and (^{o}C) 00010):

(1) (A) All sources of heated effluents in existence as of January 1, 1971 shall meet the following restrictions outside of a mixing zone which shall be no greater than a circle with a radius of 1000 feet or an equal fixed area of simple form.

(i) There shall be no abnormal temperature changes that may affect aquatic life.

(ii) The normal daily and seasonal temperature fluctuations that existed before the addition of heat shall be maintained.

(iii) The maximum temperature rise at any time above natural temperatures shall not exceed 3°F. In addition, the water temperature shall not exceed the maximum limits (^{o}F) indicated in the following table:

JAN.	45	JUL.	80
FEB.	45	AUG.	80
MAR.	45	SEPT.	80
APR.	55	OCT.	65
MAY	60	NOV.	60
JUN.	70	DEC.	50

(B) The owner or operator of a source of heated effluent which discharges 0.5 billion British Thermal Units per hour (BTU/HR.) or more shall demonstrate in a hearing before this Board not less than five nor more than six years after the adoption of this regulation, that discharges from that source have not caused and cannot be reasonably expected in future to cause significant ecological damage to the Lake. If such proof is not made to the satisfaction of the Board, backfitting of alternative cooling devices shall be accomplished within a reasonable time as determined by the Board.

(C) The owner or operator of a source of heated effluent shall maintain such records and conduct such studies of the effluents from such source and of their effects as may be required by the Environmental Protection Agency or in any permit granted under the Environmental Protection Act.

(D) Backfitting of alternative cooling facilities will be required if, upon complaint filed in accordance with Board rules, it is found at any time that any heated effluent causes significant ecological damage to the Lake.

(2) Any effluent source under construction as of January 1, 1971, but not in operation, shall meet all the requirements of Section 1 of this regulation and in addition shall meet the following restrictions:

(A) Neither the bottom, the shore, the hypolimnion, nor the thermocline shall be affected by any heated effluent.

(B) No heated effluent shall affect spawning grounds or fish migration routes.

(C) Discharge structures shall be so designed as to maximize short-term mixing and thus to reduce the area significantly raised in temperature.

(D) No discharge shall exceed ambient temperatures by more than 20° F.

(E) Heated effluents from more than one source shall not interact.

(F) All reasonable steps shall be taken to reduce the number of organisms drawn into or against the intakes.

(G) Cleaning of condensers shall be accomplished by mechanical devices. If chemicals must be used to supplement mechanical devices, the concentration at the point of discharge shall not exceed the 96-hour TLm for fresh water organisms.

(3) (A) No source of heated effluent which was not in operation or under construction as of January 1, 1971 shall discharge more than a daily average of 0.1 billion BTU/Hr.

(B) Sources of heated effluents which discharge less than a daily average of 0.1 billion BTU/Hr. not in operation or under construction as of January 1, 1971 shall meet all requirements of Sections 1 and 2 of this regulation.

207 Underground Waters

The underground waters of Illinois which are a present or potential source of water for public or food processing supply shall meet the General and Public and Food Processing Water Supply Standards except due to natural causes.

208 Nondegradation

Waters whose existing quality is better than the established standards at the date of their adoption will be maintained in their present high quality. Such waters will not be lowered in quality unless and until it is affirmatively demonstrated that such change will not interfere with or become injurious to any appropriate beneficial uses made of, or presently possible in such waters and that such change is justifiable as a result of necessary economic or social development.

The 1983 Water Quality Standards

The Federal Water Pollution Control Amendments Act of 1972 (P.L. 92-500) indicated as one of the national goals that, wherever attainable, water quality which provides for the protection and propagation of fish, shellfish, and wildlife and provides for recreation in and on the water should be achieved by July 1, 1983.

For the present, in Illinois, the current water quality standards listed earlier are considered to be consistent with the 1983 standards.

It will be the primary objective of the Illinois Water Quality Management Planning effort to achieve these standards, wherever possible, by July 1, 1983. However during the planning process, all aspects of these standards will be re-evaluated. By November 1, 1978, the 1983 standards will be clearly a target for our water quality programs.

Analysis of 1975 Water Quality Data

Monthly grab samples obtained at each of the IEPA water quality network stations were analyzed for temperature, dissolved oxygen, pH, ammonia nitrogen, nitrite-nitrate nitrogen, total phosphorus, and fecal coliform. Quarterly (one fourth of the monthly samples), the samples are also analyzed for arsenic, barium, boron, cadmium, hexavalent chromium, trivalent chromium, copper, cyanide, total iron, lead, manganese, mercury, nickel, selenium, silver, zinc, fluoride, chloride, sulfate, phenol, MBAS, and total dissolved solids.

IEPA laboratories perform tests upon unfiltered water samples for most parameters. Results of these tests are not comparable to tests performed by others when filtered samples are used. Many of the constituents, such as heavy metals, adhere to particulate matter to the extent that filtered samples may indicate little or no concentration of a constituent while unfiltered samples indicate violations of the standards.

Table 1 shows the violations of the water quality standards found during the 1975 calendar year. The sampling stations are arranged in upstream to downstream hydrologic order for each segment in the basin.

Water Quality Indices (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A detailed discussion about the WQI is presented in Appendix C. Please note the precaution listed in the segment analyses.

TABLE 1

ROCK RIVER BASIN

SUMMARY OF WATER QUALITY STANDARDS VIOLATIONS IN 1975

Segment	Sampling Station	Parameters Violated in 1975
A-01	PB-02	fecal coliform, copper, lead, total iron
	PZXA-01	fecal coliform, copper, total iron
	PB-03	fecal coliform, copper, lead, total iron
	PZX-01	copper
	PBI-01	fecal coliform, copper
	PB-01	fecal coliform, copper, total iron, lead
A-02	PQ-10	fecal coliform, copper
	PQF-06	fecal coliform, copper, total iron
	PQE-05	fecal coliform, copper, total iron, lead
	PQD-04	fecal coliform, copper, total iron
	PQ-09	fecal coliform, copper, lead
	PQ-02	fecal coliform, copper
A-03	PQC-02	fecal coliform, dissolved oxygen, copper, total iron, ammonia nitrogen, lead
	PQC-05	fecal coliform, copper, total iron
	PQC-04	fecal coliform, copper, lead
	PQC-03	fecal coliform, copper, lead
A-04	PQ-01	fecal coliform, copper, lead
	PQB-02	fecal coliform, copper, lead
A-05	PL-02	fecal coliform, dissolved oxygen, ammonia nitrogen, copper
	PL-01	fecal coliform, copper, lead
A-06	PW-07	fecal coliform, copper, lead, total iron
	PWP-01	fecal coliform, copper, lead, total iron

ROCK RIVER BASIN
SUMMARY OF WATER QUALITY STANDARDS VIOLATIONS IN 1975

Segment	Sampling Station	Parameters Violated in 1975
A-06 cont.	PW-04	fecal coliform, copper, lead, total iron
	PWN-01	fecal coliform, copper, lead, total iron
	PW-06	fecal coliform, copper, lead, total iron
A-06	PW-05	fecal coliform
	PWB-02	fecal coliform, copper, total iron
	PW-01	fecal coliform, copper
B-01	P-09	fecal coliform, copper, lead
	P-15	fecal coliform
B-02	P-07	fecal coliform, copper, lead
	P-08	fecal coliform, copper, lead, ammonia nitrogen
	P-14	fecal coliform, copper, lead
	PN-01	fecal coliform, copper, total iron
	P-11	fecal coliform, copper, lead, total iron
B-03	PJ-01	fecal coliform, copper, lead
	P-10	fecal coliform, copper, lead
B-04	P-06	fecal coliform, copper, lead, total iron
	PH-01	fecal coliform, copper, total iron, ammonia nitrogen, manganese
	P-12	fecal coliform, copper, lead, total iron
	PE-05	fecal coliform, copper, lead, total iron
	P-04	fecal coliform, copper, lead, total iron
	P-03	fecal coliform, copper, lead, total iron
B-05	P-18	fecal coliform, copper, lead, total iron

A comparison of the numerical values which determine the letter classifications was made for 538 stations for the years of 1972 and 1975. Ninety-three stations had improved, 50 had deteriorated, and 379 had remained the same. Sixteen stations lacked sufficient data for comparison. Improvement is attributed to the early results of the current program for upgrading treatment facilities which handle oxygen demanding wastes and those with fecal coliform, primarily municipal sewage treatment plants.

It can be seen from Table 2 that 32 water quality sampling stations in the basin remained in the same conditions in 1972 and 1975. Five water quality sampling stations in the basin showed stream water quality improvement in 1975 over 1972. Of these five water quality sampling stations; one (PL-01) is in segment A-05; two (PWP-01 and PW-04) are in segment A-06; and two (P-06 and PE-05) are in segment B-04.

Seven water quality sampling stations in the basin showed stream water quality deterioration in 1975 over 1972. Of these seven water quality sampling stations; one (PBI-01) is in segment A-01; one (PQC-02) is in segment A-03; one (P-15) is in segment B-01; one (PN-01) is in segment B-02; two (PH-01 and P-03) are in segment B-04; and one (P-18) is in segment B-05.

ROCK RIVER BASIN
SUMMARY OF WATER QUALITY INDICES
FOR
1971 to 1975

Segment	Sampling Station	Water Quality Index				
		1971	1972	1973	1974	1975
A-01	PB-02	-	A	A	A	A
	PZXA-01	-	A	A	A	A
	PB-03	-	A	A	A	A
	PZX-01	-	A	A	A	A
	PBI-01	-	A	A	A	B
	PB-01	-	B	A	A	B
A-02	PQ-10	-	A	A	A	A
	PQF-06	A	A	A	A	A
	PQE-05	A	A	A	A	A
	PQD-04	A	A	A	A	A
	PQ-09	-	A	A	A	A
	PQ-02	-	A	A	A	A
A-03	PQC-02	-	B	A	B	C
	PQC-05	-	B	A	B	B
	PQC-04	-	A	A	B	A
	PQC-03	A	A	A	A	A
A-04	PQ-01	A	A	A	B	A
	PQB-02	A	A	A	A	A
A-05	PL-02	-	C	B	B	C
	PL-01	-	B	A	A	A
A-06	PW-07	-	A	A	C	A

ROCK RIVER BASIN
SUMMARY OF WATER QUALITY INDICES
FOR
1971 to 1975

Segment	Sampling Station	Water Quality Index				
		1971	1972	1973	1974	1975
	PWP-01	-	B	B	A	A
	PW-04	A	B	A	C	A
	PWN-01	-	A	A	C	A
	PW-06	-	A	A	C	A
	PW-05	A	A	A	B	A
	PWB-02	-	A	A	B	A
	PW-01	A	A	A	B	A
B-01	P-09	A	A	A	A	A
	P-15	-	B	A	B	C
B-02	P-07	A	A	A	A	A
	P-08	A	B	A	B	B
	P-14	-	A	A	A	A
	PN-01	-	A	A	A	B
	P-11	A	A	A	B	A
B-03	PJ-01	-	A	A	B	A
	P-10	A	A	A	A	A
B-04	P-06	A	B	A	B	A
	PH-01	-	A	A	C	B
	P-12	-	A	A	B	A
	PE-05	A	B	B	C	A
	P-04	A	A	A	B	A

ROCK RIVER BASIN

SUMMARY OF WATER QUALITY INDICES
FOR
1971 to 1975

Segment	Sampling Station	Water Quality Index				
		1971	1972	1973	1974	1975
	P-03	A	A	A	-	B
B-05	P-18	-	A	A	-	B

Other Water Quality Data

Biological Surveys-As explained above in connection with the Water Quality Index, the Agency makes biological surveys at selected locations to determine the species and populations of bottom dwelling organisms. The results of these surveys primarily indicate the effects of ordinary municipal and industrial waste discharges upon the streams and the downstream extent of those effects. Several such surveys have been made in the Rock River Basin; they are summarized below.

Coon Creek near Riley (A-02) - 1974

The survey was made in response with a fish kill reported by a concerned citizen. The fish kill occurred along the reach, approximately 300 yards upstream and 400 yards downstream from the crossing of Riley and Harmony roads. The principal game fish killed was the smallmouth bass. Suckers and minnows made up the major number of fish killed.

Lawrence Creek near Harvard (A-02) - 1975

The survey was used to determine the effects of the Big Foot Packing discharge on Lawrence Creek. Lawrence Creek was found to be semi-polluted along the reach, approximately 25 yards upstream and 0.6 miles downstream from the Big Foot Packing discharge. However, Lawrence Creek was unbalanced at the location, approximately 4.0 miles downstream from the Big Foot Packing discharge.

South Branch Kishwaukee River (A-03) - 1974

The survey was used to assess stream water quality conditions in the basin. Polluted conditions were found downstream of the DeKalb Sanitary District, Country Club Estates, Sycamore Southwest and Main Plants, Genoa East Plant, Notre Dame High School near DeKalb, and Burlington High School near Virgil. Unbalanced conditions were found at several locations indicating the stream conditions throughout the majority of the watershed.

Kyte River (A-05) - 1973

The Kyte River, approximately two miles upstream from its confluence with the Rock River, was found to be balanced.

Kyte River near Chana (A-05) - 1975

The purpose of the survey was to determine the condition of stream environments downstream from the Chana tile drainage. All the unnamed tributaries to the Kyte River were found to be unbalanced. However, the Kyte River, approximately 10 yards upstream from its confluence with the uppermost unnamed tributary, was found to be semi-polluted.

Pecatonica River near the mouth of the Richland Creek (A-06) - 1969

At all locations, the stream was found to be balanced.

Pecatonica River near Freeport (A-06) - 1975

The purpose of the survey was to determine stream conditions downstream from the Freeport sewage treatment plant and the Modern Plating Company discharges. The Pecatonica River, along the reach approximately 0.8 miles upstream from the Modern Plating Company and 2.0 miles downstream of the Freeport sewage treatment plant, was found to be balanced. However, the Pecatonica River, at the location approximately 9.0 miles downstream from the Freeport sewage treatment plant, was found to be unbalanced.

North Kinnikinnick Creek near Roscoe (B-01) - 1975

The purpose of the survey was to determine stream conditions downstream from the Warner Electric Brake and Clutch Company discharge. The North Kinnikinnick Creek, approximately 50 yards upstream and 0.6 miles downstream from the Warner Electric Brake and Clutch Company discharge, was unbalanced and semi-polluted, respectively.

Rock River near Oregon and Rockford (B-02) - 1970

The Rock River near Oregon was semi-polluted. The Rock River near Rockford was balanced on the right side of the channel and was polluted on the left side of the channel.

Spring Creek near Byron Salvage Company (B-02) - 1975

Spring Creek, along the reach approximately two miles upstream from its confluence with the Rock River, was unbalanced.

Woodland Creek near Byron (B-02) - 1975

Woodland Creek, approximately 1/8-mile upstream from its confluence with the Rock River near Byron, was unbalanced.

Elkhorn Creek (B-04) - 1976

The purpose of this investigation was to determine the effects of the Milledgeville sewage treatment plant, which includes Kraft Milk Wastes, on Elkhorn Creek. Elkhorn Creek, from Olin bridge at Milledgeville to approximately 1/2-mile from its mouth, was found to be balanced.

Water Quality Violations Which Will Remain After Point Source Controls are Operational

Control of point sources, including combined sewer overflows, will prevent or reduce the extent of violations of most parameters in the current water quality standards. Because of agricultural runoff, urban and industrial storm drainage, construction site runoff and mining, violations will remain at many sampling stations for: total iron, copper, lead, and manganese.

Dissolved oxygen violations are also expected to occur during periods of hydrologic and climatic conditions which cause increased oxygen demands and reduce reaeration activity.

Natural conditions, which persist, will cause nutrient violations at many stations. A significant portion of the Phase II planning effort will be expended in evaluating agricultural practices so as to minimize the potential for violations at other stations.

Bottom sediments will continue to release heavy metals and other chemicals for an indefinite period and may cause violations of standards at times.

Because of the uncertainty involved with nonpoint sources, it is indicated in the narrative portion of Chapter IV of this plan that fecal coliform violations and some ammonia nitrogen violations may or may not remain after point source controls are operational.

Recommendations

At this time only general recommendations can be made. The Phase II studies for the Water Quality Management Plans will determine the necessary detailed recommendations.

1. Improved management techniques and controls need to be implemented to reduce the effects of runoff from agricultural land, construction sites, mining areas and urban centers.

2. Evaluation of existing point source controls needs to be performed to make revisions to increase the effectiveness. NPDES permits should be issued to reflect appropriate effluent limits and monitoring requirements as dictated by continuing water quality violations.

3. Additional controls and the use of more effective management techniques must be instituted to reduce the pollution potential of livestock operations.

4. Control of combined sewer overflows, elimination of sanitary sewer overflows, and the reduction of the pollution potential of storm drainage must be provided to meet water quality goals as currently expressed.

5. Segment analyses should be reviewed to determine the desirability of relocating sampling stations so that monitoring can be more effective where needed and reduced where no need is apparent.

6. Review of water quality standards must be completed to determine the need for the addition of parameters, changes in values of existing parameters, and the possible elimination of any which are of little significance. Among those which should be considered early in Phase II are: fecal coliform, total iron, total phosphorus, and copper.

7. Efforts must be continued to achieve better operation of treatment facilities and monitoring of pollutant point sources.

CHAPTER III

PHYSICAL DESCRIPTION AND IMPACT ON WATER QUALITY

Water quality is impacted by a multiplicity of factors for most of which man/people can take credit or blame as appropriate. In the Phase I planning effort of which this chapter is a part, most of the emphasis is on the impact of man/people on water quality. However, the water quality problems that will remain after the point source controls are implemented and operational are largely due to the physical characteristics and specific hydrology of the particular basin under discussion. This chapter then with the major assistance of the Illinois State Water Survey describes the physical characteristics and hydrology of the basin and their impact on the quality of water, both surface and subsurface, of the basin.

Physiographic Setting (29)

Illinois is essentially a prairie plain. It is an area of low elevation (average 600 feet) and low relief (maximum 973 feet); local relief is typically less than 200 feet. The state is located in parts of four major physiographic divisions of the United States, as defined by Fenneman (1928). More than 90 percent of the state lies within the Central Lowland, all of which was glaciated except for the Wisconsin Driftless section in extreme northwestern Illinois. The remaining parts, along the southern and western borders, are included within one or another of the three areas known as the Ozark Plateaus, the Interior Low Plateaus, and the Coastal Plain Provinces (see Figure 1).

Leighton, Ekblaw, and Horberg (1943) subdivided the state into eight physiographic sections according to the following physiographic criteria: topography of the bedrock surface; extent of the several glaciations; differences in glacial morphology; differences in age of the uppermost drift; height of the glacial plain above main lines of drainage; glaciofluvial aggradation of basin areas; and glaciolacustrine action.

The Central Lowland province, is subdivided into three sections: the Great Lakes Section; the Wisconsin Driftless Section; and the Till Plains Section.

The Great Lakes Section is located in the northeastern part of the state. It is characterized by lake plain in the eastern part and morainic features in the western part. The lake plain is a flat surface, underlain largely by till, which slopes gently toward Lake Michigan. The glacial morainic topography is complicated by a variety of elongated hills, mounds, basins, sags, and valleys. Postglacial erosion has been slight and is restricted largely to valleys along the Fox and Des Plaines Rivers.

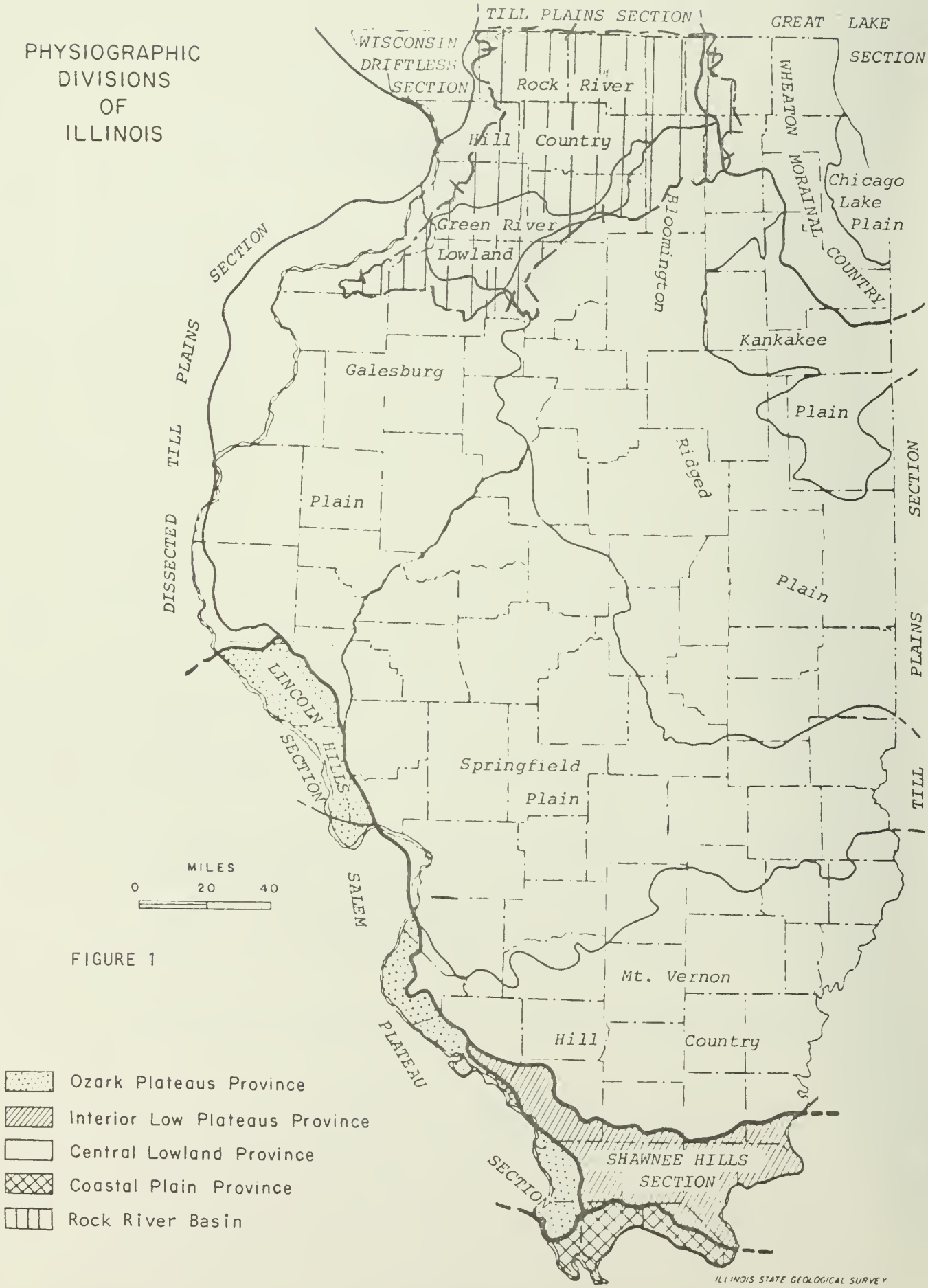

PHYSIOGRAPHIC DIVISIONS OF ILLINOIS
TILL PLAINS SECTION
GREAT LAKE SECTION
WISCONSIN DRIFTLESS SECTION
Rock River Hill Country
WHEATON MORAINAL COUNTRY
Chicago Lake Plain
Green River Lowland
Bloomington Ridged Plain
Kankakee Plain
Galesburg Plain
DISSECTED TILL PLAINS SECTION
Plain
LINCOLN HILLS SECTION
Springfield Plain
SALEM PLATEAU SECTION
Mt. Vernon Hill Country
SHAWNEE HILLS SECTION
MILES
0 20 40
Ozark Plateaus Province
Interior Low Plateaus Province
Central Lowland Province
Coastal Plain Province
Rock River Basin
ILLINOIS STATE GEOLOGICAL SURVEY

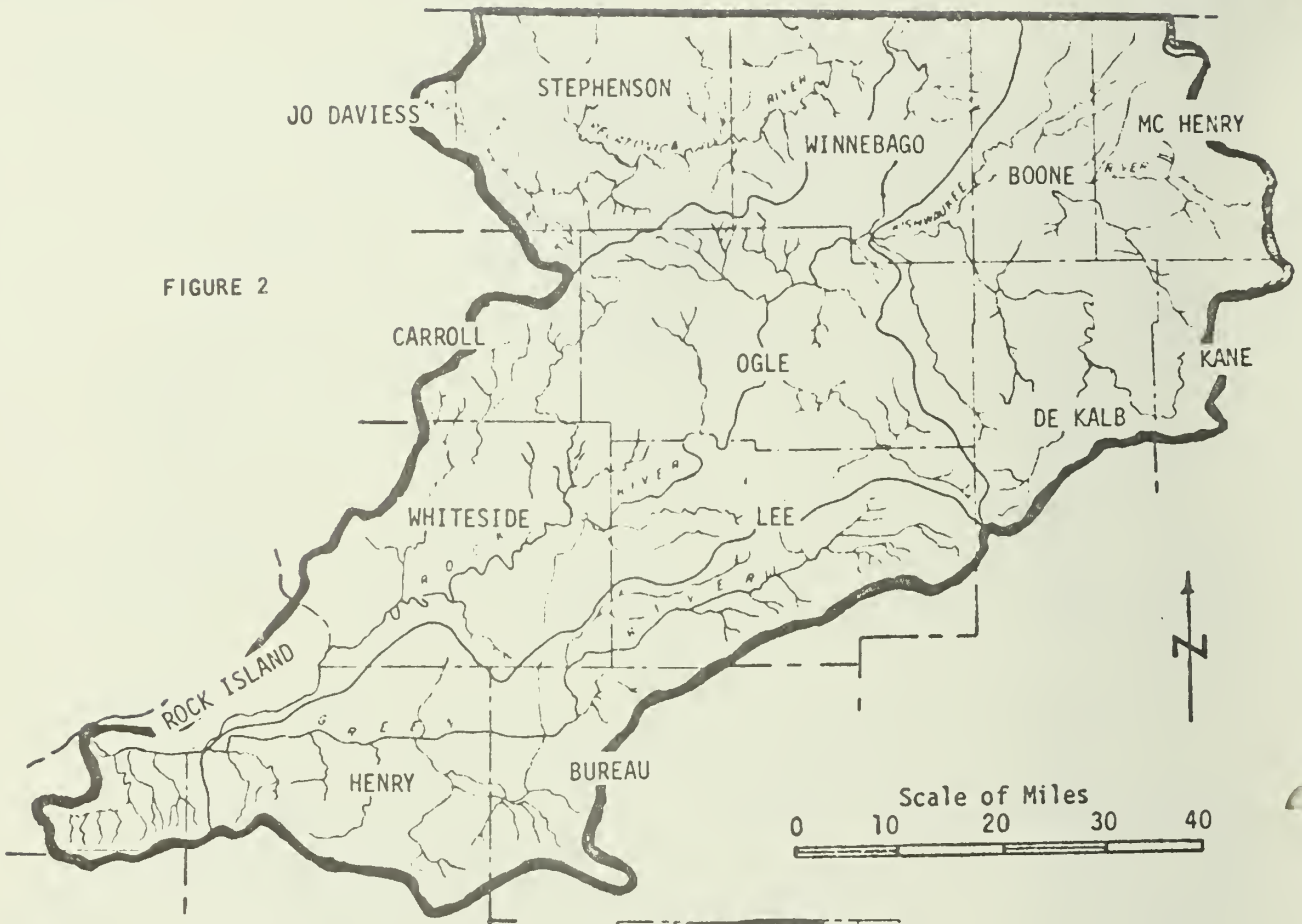
FIGURE 1

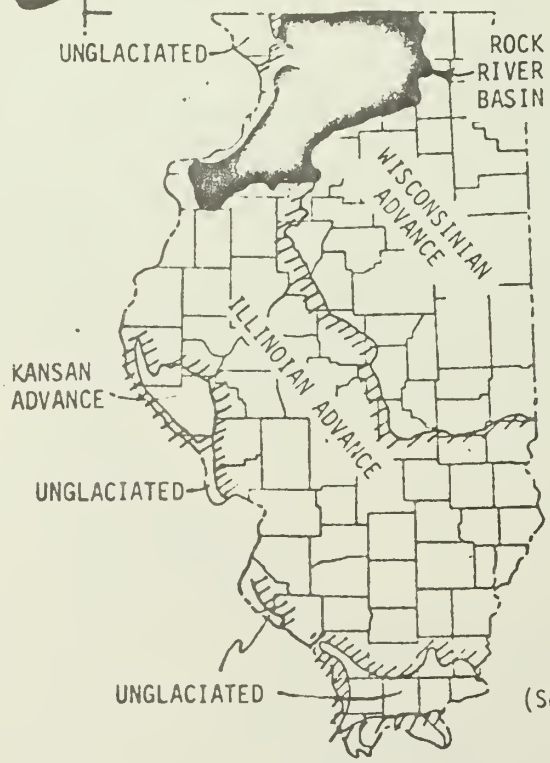
The Wisconsin Driftless Section, located in northwestern Illinois, has apparently not been glaciated. Because of this, its topography reflects the character of the underlying bedrock. The area is dissected by a number of dendritic drainage systems tributary to the Mississippi River. Small caves and solution channels provide considerable underground drainage, but sink holes and other karst features are not conspicuous.

The Till Plains Section is the largest physiographic division in the state, covering four-fifths of Illinois. This area is characterized by broad, till plains which have poorly developed drainage. The western and southern limits of the Bloomington Ridged Plain is the most significant boundary in this section. East and north of this boundary the surficial units are Wisconsinan in age. South and west of this boundary the surficial units are of the older Illinoian age (see Figure 2). Physiographic contrasts (such as degree of drainage integration and the extent of soil development and erosional modifications of the landscapes) have developed because of these age differences.

The physiography of the Rock River Basin constitutes a relatively flat area to undulating and rolling terrain. This is broken into four distinct physiographic divisions. Most of the basin lies in the Rock River Hill Country of the Till Plaines Section of the Central Lowland Province. This area is characterized by its rolling hills, thin glacial drifts, and narrow valleys. The southern portion of the basin lies in the Green River Lowland of the Till Plains Section of the Central Lowland Province. This area is best characterized as a low, poorly drained plain with prominant sand ridges and dunes. The Green River Lowland almost coincides with the broad valley occupied by the Mississippi River up to the time of the Wisconsinan glaciation. The southwestern tip of the basin lies in the Galesburg Plain of the Till Plaines Section of the Central Lowland Province. This area is characterized by level, thick glacial drift, where erosion has cut numerous deep drainage channels. A part of the southeastern portion of the basin is in the Bloomington Ridged Plain of the Till Plains Section of the Central Lowland Province. This area is characterized by its low, broad morainic ridges, flat to gently rolling ground moraine and thick glacial drift.

FIGURE 2





(See reference 1)

LOCATION OF ROCK RIVER BASIN

GLACIAL HISTORY

Climate (29)

The climate of Illinois is classified as the humid continental type. Because of a location far from any modifying influences such as oceans or mountain ranges, great variations in temperatures and precipitation occur in any given year. In general, summers are warm or hot, and winters vary from cool to cold.

The average annual temperature ranges from about 47° F. in the north to 59° F. in the south. January, normally the coldest month has a mean temperature range from about 22° F. in the North to 36° F. in the South. Mean temperature in July, usually the hottest month, ranges from about 73° F. in the North to 80° F. in the South. During some years, however, June or August, may be warmer than July. Likewise, December or February may sometimes be colder than January (Page, 1949).

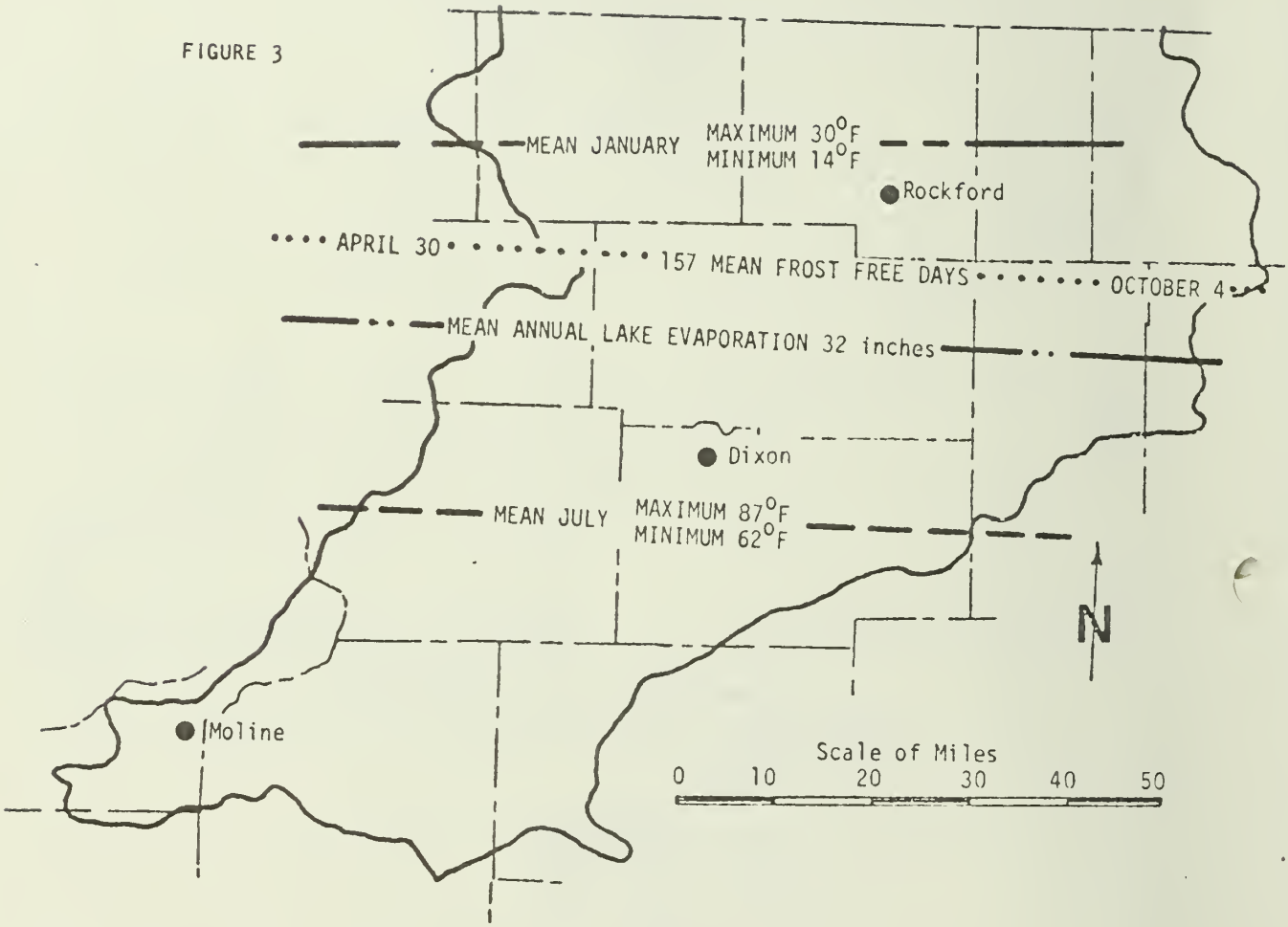
Average annual precipitation in Illinois ranges from about 32 inches in the North to 47 inches in the South. In general, the northern part of the state gets a larger percentage of its total precipitation during the growing season than does the southern part. This tends to make the annual precipitation in northern Illinois as effective for growing crops as the heavier annual amount in southern Illinois (Page, 1949).

The growing season is the period of maximum precipitation in all of Illinois except a small area in the southern part. The average length of the growing season increases from north to south. However, the Mississippi, Wabash, and Illinois River valleys appear to influence the growing season pattern by increasing the length of the season along their courses.

Climatic data for the basin are shown in Figure 3.

Source: ISWS

FIGURE 3



MEAN TEMPERATURE (°F)

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Ann
Rockford	22.0	24.4	34.0	47.8	59.1	69.7	74.2	72.5	63.8	52.5	37.1	25.6	48.6
Dixon	24.0	26.6	36.2	50.0	61.1	70.7	74.9	73.4	65.4	54.2	39.1	27.5	50.3
Moline	22.6	25.7	35.4	50.0	61.2	71.4	75.6	73.6	65.3	54.8	39.2	26.9	50.1

MEAN PRECIPITATION (In.)

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Ann
Rockford	1.98	1.44	2.46	3.05	3.83	4.30	4.14	4.14	3.51	2.70	2.37	1.70	35.62
Dixon	1.74	1.38	2.29	2.96	3.63	4.39	3.44	3.65	3.29	2.67	2.35	1.86	33.65
Moline	1.61	1.35	2.39	3.17	3.80	4.37	3.26	3.53	3.25	2.46	1.95	1.65	32.79

(See references 10, 15, 20)

CLIMATIC DATA FOR ROCK RIVER BASIN

Geology (29)

The geologic units of Illinois fit into four major divisions: Precambrian basement rock; consolidated sedimentary bedrock; a variably thick blanket of glacial drift; and a mantle cover of loess. The Precambrian basement of Illinois is not exposed at the surface; it is everywhere covered by 2,000 to more than 13,000 feet of sedimentary strata. Where encountered in borings in and immediately adjacent to Illinois, this basement is characterized chiefly by plutonic and volcanic rocks of granitic or closely related composition. (Bradbury and Atherton, 1965).

Consolidated sedimentary rocks are found throughout the entire state. These sedimentary rocks range in age from Cambrian through Tertiary. However, except for small areas in the North and the far South they are of Paleozoic age. Dolomite dominates the Ordovician and Silurian rocks, the Mississippian rocks are dominated by limestone, and the Pennsylvanian rocks by shale and sandstone. Large deposits of mineable coal are also found in the Pennsylvanian strata.

The only extensive exposures of sedimentary rocks are limited to areas outside the glacial margin. These areas are in extreme northwestern Illinois and adjacent to the Mississippi and Ohio Rivers in southwestern and southern Illinois. Only scattered outcrops of bedrock are found within the glaciated region. These are usually limited to areas of bedrock highs or along the walls of the deeper-cut valleys.

Glacial deposits cover nearly 90 percent of the state. They consist of both well-sorted sands and gravels and unsorted till, and represent deposition during each of the four major glacial stages. Deposits of the first major glaciation, the Nebraskan, are known only from the subsurface of western Illinois. Although the second glaciation, the Kansan, covered most of the state, the only surface exposure of Kansan till is in a small area in western Illinois. Continental glaciation reached its maximum southern extent in the northern hemisphere during the subsequent Illinoian glaciation. At this time ice extended to within 20 miles of the Mississippi Embayment in southernmost Illinois, and laid down an extensive blanket of deposits throughout much of the state. The last glaciation, the Wisconsinan, was the most important of the glaciations with respect to modern character of Illinois (Flemal, 1972b). It was during this time that much of the modern landscape came into existence. Wisconsinan deposits occupy most of northeastern Illinois. These Wisconsinan age deposits have been exposed to weathering for a much shorter time than the older Illinoian deposits, so that there are marked differences in the soils found on the separate drift sheets.

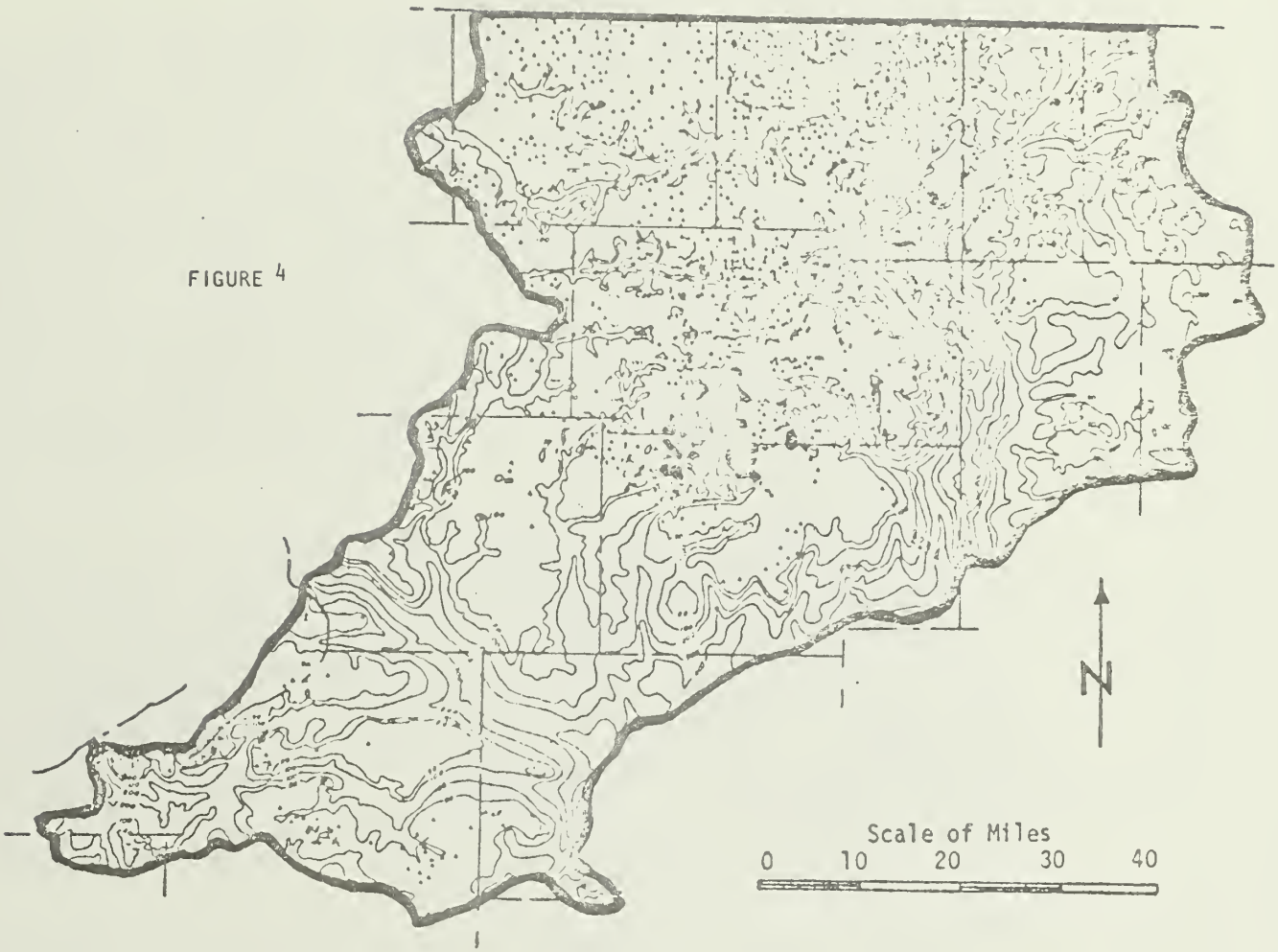
As much as half the material in the tills of Illinois has been transported less than 100 miles from its bedrock source, (Willman and Frye 1970). The major bedrock units in Illinois that contributed notable quantities of rock to the Pleistocene deposits are: (1) Silurian dolomite in the northeast and in a small part of the glaciated area in the northwest; (2) Ordovician dolomite in much of the central northern part of the state; (3) Ordovician shale in belts between the Silurian and Ordovician dolomites; (4) Mississippian limestones with minor amounts of shale and sandstone in the western part of the state; and (5) Pennsylvanian rocks consisting of shale (50 percent), sandstone and siltstone (40 percent), limestone, coal, and other minor constituents (10 percent) throughout the central part of the state.

The thickness of glacial drift in Illinois varies from zero to approximately 600 feet, with the average being about 100 feet (see Figure 4). Western and southern Illinois are areas of thin drift, while the northeastern quarter of the state has a cover of thick drift. The extremely thick drifts are found over major bedrock valleys.

Much of Illinois is mantled by a layer of loess. Loess is a silty windblown deposit. During glacial times the melting of the glaciers produced tremendous floods of meltwater which were channeled down the major river valleys--the Mississippi, Illinois, Wabash, and Ohio. During periods of low melting when the flood waters receded, the wind picked up dust from the dry valley floors and deposited it as loess on the uplands. The loess is thickest east of the valleys because of the prevailing westerly winds. It is thicker near the valley source areas and becomes progressively thinner with distance away from the source. The average thickness of loess varies from 6 to 20 feet in western Illinois to two to five feet in eastern Illinois. Loess is the most extensive parent material of Illinois soils. It also constitutes the major portion of suspended sediment transported by streams in the state (Army Corps of Engineers, 1969).

Of great interest in the Rock River Basin is the more recent geologic history of the "great Ice Age" or "Pleistocene Eopch". This epoch can be divided into four glacial ages. The glacial age from oldest to most recent were the Nebraskan, the Kansan, the Illinoisan, and the Wisconsin. The most recent Wisconsin Age of glaciation drastically changed the course of the Mississippi River which once flowed through what is now Meredosia Slough. The Woodfordian advance of the Wisconsin glacier also changed the course of the Rock River and many of its tributaries. The preglacial Rock River did not flow through Whiteside and Rock Island counties at all. However, the retreat of the Wisconsin glacier (Woodfordian advance) left a moraine across the former path of the Rock River forcing it to flow southwesterly through some of its former tributaries and eventually through Rock Island County to the Mississippi River.

FIGURE 4



EXPLANATION

Driftless area (mostly loess covered)

Glacial outwash and recent alluvium in driftless area; thickness not mapped

100 Thickness line - contour interval 100 feet; 50-foot line also shown

Margin of glacial drift

Bedrock exposure

(See references 5 and 6)

Source: ISWS

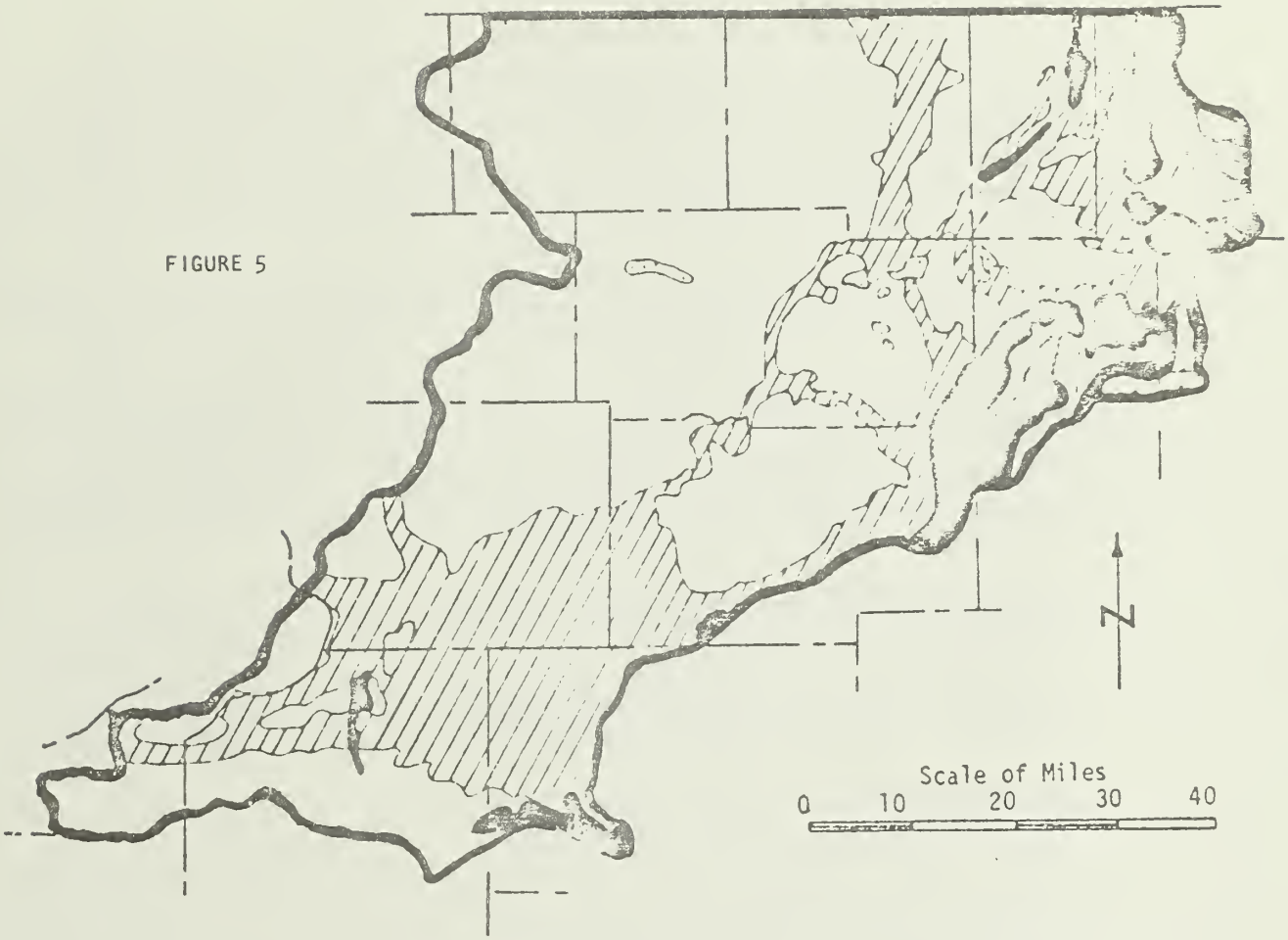
THICKNESS OF GLACIAL DRIFT IN ROCK RIVER BASIN

Beneath the glacial drift lies sedimentary strata consisting of limestone, dolomite, sandstone and shale. The geology of the basin begins in the "basement" of the earth's outer crust. This "basement" is composed of the ancient crystalline rocks, namely granite, which underlies most of the basin but is hidden by hundreds of feet of younger rocks and glacial drift. Above the crystalline rocks is a complex system of rocks dating from the Cambrian Period to the Servonian Period. In this grouping we find the sandstones, limestones, and dolomite. Next, above the Servonian Period, is the Mississippian Period composed mainly of limestone which formed as loose sediments in the shallow seas which once covered the area. Above the Mississippian Period lies the Pennsylvanian Period. In this layer of rocks are the coal deposits. Henry County has several seams of coal that vary in thickness from a few inches to several feet. Coal has been mined throughout the county by shaft mines, and more recently has been extensively strip-mined in Annawan, Atkinson, Alba and Cornwall Townships.

There are several quarries, stream banks, and road cuts in the basin where different ages of the bedrock are exposed. The deposits being quarried include the Cambrian Potosi Dolomite of the Croixan series, the Cambrian Franconia Formation, Ordovician strata, Oncota Dolomite, St. Peter Sandstone, Platteville Limestone and the Galena Dolomite. The St. Peter Sandstone, a valuable source of silica sand for glass manufacturing, is actively quarried in the Dixon-Oregon area and the Ottawa-LaSalle area. These two areas make Illinois the leading producer of glass sand in the United States. Platteville Limestone can be used as cement. Oregon Stone is used for crushed rock or agricultural limestone. Galena Dolomite's uses are restricted to road building, construction, or agricultrual limestone.

The surficial geology and the thickness of glacial drift in the Rock River Basin are shown on Figures 4 and 5.

FIGURE 5



Source: ISWS

EXPLANATION

- Morainic Ridges
- Lakebed Sediments
- Ice-Contact Stratified Drift
- Alluviated Valleys & Outwash Plains
- Ground Moraine Except In Unglaciated Areas

(See reference 1)

SURFICIAL GEOLOGY OF ROCK RIVER BASIN

In Illinois, the major types of parent material forming soils are loess, outwash, till and alluvium. Bedrock and accumulations of organic matter are of only minor importance. The following general description of Illinois soils is based on the work of Fehrenbacher, Walker, and Wascher (1967). Thornburn (1963) presents a more engineering-related description of Illinois soils.

Of the ten major soil orders, five are important in Illinois. These are the Mollisol, Alfisols, Inceptisols, Entisols, and Histosols.

Mollisols occupy about 49 percent of the state; most occur in central and northern Illinois. They have dark-colored surface layers formed under grass vegetation. Underground vegetational remains, consisting mostly of roots, form this dark color. The organic content is more than one percent in a layer which is typically at least ten inches thick, unless the total soil is very thin.

Alfisols predominate in southern Illinois. The surface layer of these soils is light-colored, or, if the surface layer is dark, it is less than 10 inches thick. The organic content of these surface layers is less than one percent throughout their total thickness. The Alfisols also have a recognizable B horizon of clay accumulation.

Inceptisol areas are often small or narrow and are included with the Mollisol areas in the bottomland and with the Alfisols in the uplands. They lack the thick, dark-colored surface layer of the Mollisols and the B horizon of clay accumulation of the Alfisols. They do have some recognizable horizons or show evidence of the beginning of horizon development. Such phenomena as leaching of carbonates, oxidation or reduction of iron compounds, or the formation of structure may have taken place.

Entisols are estimated to occupy about 1.5 percent of the state. They occur along streams and also in very sandy areas. They include the better drained, recently deposited alluvial soils which have not been in place long enough to develop recognizable horizons.

Histosols occur mainly in extreme northeastern Illinois. They include the organic soils--the peats and mucks. These soils are formed from the remains of plants. Organic matter content is generally 14 percent or more, and the soils are wet unless artificially drained.

The present soils of the basin were formed by the glaciation. When the glaciers melted they released the rock materials they had picked up as they advanced. This glacial drift was then distributed by those agents: ice, wind, and water. Drift deposited directly by the ice is called till and consists primarily of unsorted sand, gravel and silt. Some of the glacial drift was washed out with the meltwaters and is called outwash. The coarsest material (gravel) was deposited nearest the ice front, and the finer silt and clay was carried farther away. Wind picked up silt and fine sand from the flood plains and carried these materials to the bluffs and uplands forming deposits of loess. Loess material is responsible for silt loam textures which forms a large portion of soils in the basin. Vegetation in the form of prairie grasses and deciduous forests further affected the degree of development of soils. Dark-colored prairie soils have large amounts or organic matter, while light-colored timber soils have been leached of the organic matter. The bottom land soils and flood plains are for the most part alluvial material deposited by the streams.

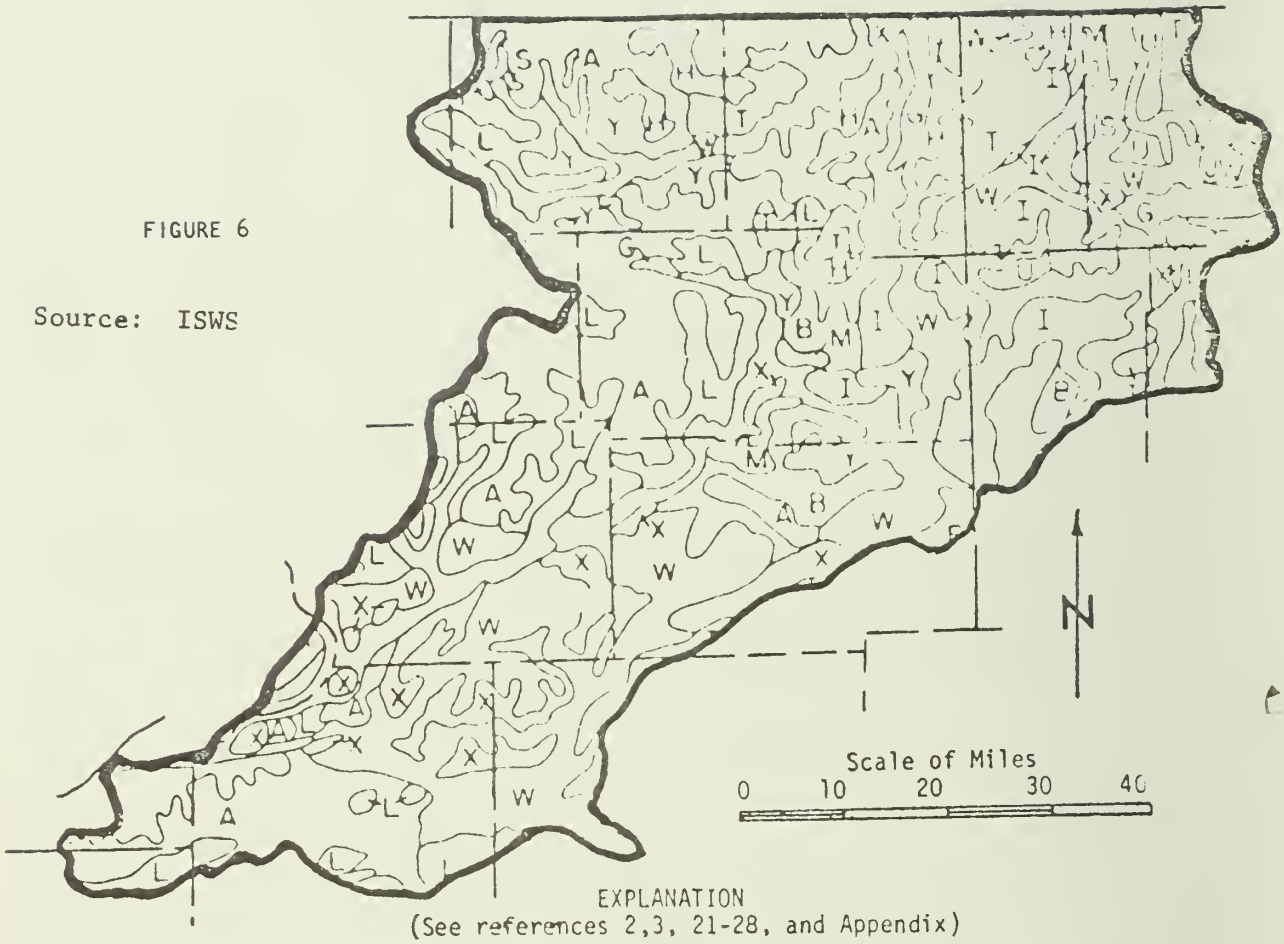
The glacial drift is from 300 to 500 feet thick in the preglacial valleys of the Rock River and tapers to much lesser amounts over other parts.

The soil associations of the Rock River Basin are shown on Figure 6, and the crop yields are given in Tables 1-15.

SOILS ASSOCIATION MAP OF ROCK RIVER BASIN

FIGURE 6

Source: ISWS



EXPLANATION
(See references 2,3, 21-28, and Appendix)

Dark-Colored Soils
- Developed primarily from loess
  - A Joy-Tama-Muscatine-Ipava-Sable
  - B Sidell-Catlin-Flanagan-Drummer
- Developed primarily from glacial drift
  - G Warsaw-Carmi-Rodman
  - H Ringwood-Griswold-Durand
  - I LaRose-Saybrook-Lisbon
  - J Elliott-Ashkum-Andres

Light-Colored Soils
- Developed primarily from loess
  - L Seaton-Fayette-Stronghurst
  - M Birkbeck-Ward-Russell
- Developed primarily from glacial drift
  - S Fox-Homer-Casco
  - T McHenry-Lapeer-Pecatonica
  - U Strawn-Miami
  - V Morley-Blount-Beecher-Eylar

Dark-And Light-Colored Soils
- Developed primarily from sandy material
  - X Hagener-Ridgeville-Bloomfield-Alvin
- Developed primarily from medium-textured material on bedrock
  - Y Channahon-Dodgeville-Dubuque-Derinda
- Developed primarily from medium and fine textured outwash
  - W Littleton-Proctor-Plano-Camden-Hurst-Ginat

Table 1.— Characteristics and Estimated Crop Yields of Soil Association A — Joy-Tama-Muscatine-Ipava-Sable Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
246 Bolivia	2–6	Very dark brown	sil	Brown	sicl	Moderate	sil loess	Very good	100	35	43
43 Ipava	1–3	Very dark brown to black	sil	Gray and brown	heavy sicl	Moderate	sil loess	Very good	110	39	47
275 Joy	1–3	Very dark brown	sil	Brown	heavy sil	Moderate	sil loess	Very good	107	34	40
41 Muscatine	1–3	Very dark brown to black	sil	Gray and brown	sicl	Moderate	sil loess	Very good	115	38	46
277 Port Byron	3–10	Very dark grayish-brown	sil	Yellowish-brown	heavy sil	Moderate	sil loess	Very good	94	34	40
68 Sable	0–1	Black	sicl	Dark gray	sicl	Moderate	sil loess	Very good	104	39	42
36 Tama	3–7	Very dark brown	sil	Brown	sicl	Moderate	sil loess	Very good	106	35	42
Associated soils											
276 Biggsville	2–8	Very dark grayish-brown	sil	Brown	heavy sil	Moderate	sil loess	Good	98	30	35
660 Coatsburg	7–15	Very dark gray	sil	Gray and brown	sicl-c	Slow to very slow	sic-c till or wash	Poor	50	18	22
45 Denny	0–1	Very dark grayish-brown	sil	Gray	heavy sicl	Slow	sil loess	Fair	76	30	35
272 Edgington	0–1	Very dark gray	sil	Dark gray	sicl	Moderately slow	sil loess	Good	88	34	38
249 Edinburg	0–1	Very dark gray	sicl	Dark gray	heavy sicl	Mod. slow to slow	sil loess	Good-very good	90	35	40
67 Harpster	0–1	Black to very dark gray	sicl	Dark gray	sicl	Moderate	sil loess	Good-very good	96	36	39
244 Hartsburg	0–1	Black	sicl	Dark gray to gray	sicl	Moderate	sil loess	Good-very good	96	36	40
44 Hartsburg	1–2	Black to very dark brown	sil	Dark gray to gray	sicl	Moderate	sil loess	Good-very good	98	37	42
562 Ideal	2–7	Very dark grayish-brown	sil	Yellowish-brown	sil	Moderate	sand	Good	86	25	34
470 Keller	3–7	Very dark grayish-brown	sil	Gray and brown	hv. sicl-sic	Slow	sic-c till or wash	Fair	65	25	28
34 Tallula	4–12	Very dark grayish-brown	sil	Brown	sil	Moderate	sil loess	Good	85	28	36
564 Ustick	4–12	Very dark grayish-brown	sil	Yellowish-brown	sil	Moderate	sand	Fair	76	23	32
47 Virden	0–2	Black to very dark gray	sil	Dark gray	heavy sicl	Moderately slow	sil loess	Very good-good	98	36	45

Table 2. — Characteristics and Estimated Crop Yields of Soil Association B — Sidell-Catlin-Flanagan-Drummer Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
171 Catlin	3–7	Very dark brown	sil	Brown	sicl	Moderate	l-sicl till	Very good-good	100	36	44
56 Dana	3–7	Very dark brown	sil	Brown	sicl-cl	Moderate	l till	Very good	97	35	43
152 Drummer	0–1	Black	sicl	Dark gray	sicl	Moderate	l wash	Very good	102	40	43
154 Flanagan	1–3	Black to very dark gray	sil	Gray and brown	hv. sicl	Moderate	l-sicl till	Very good	112	39	48
481 Raub	1–3	Black to very dark gray	sil	Gray and brown	sicl-cl	Moderate	l till	Very good	105	38	46
55 Sidell	6–12	Very dark grayish-brown	sil	Yellowish-brown	sicl-cl	Moderate	l till	Very good	95	34	42
Associated soils											
67 Harpster	0–1	Black to very dark gray	sicl	Dark gray	sicl	Moderate	l wash	Good-very good	96	36	39
153 Pella	0–1	Very dark gray to black	sicl	Dark gray	sicl	Moderate	l wash	Good-very good	98	38	41
330 Peotone	0–1	Black	hv. sicl	Very dark gray	hv. sicl	Moderately slow	sicl wash	Good	85	33	31

Abbreviations and symbols used in tables above are as follows: <=less than; >=greater than;c=clay;calc.=calcareous;cl.=clay loacm;f=fine;fs.=fine sand; fal.=fine sand loam;ft/=feet;g=gravel;gcl.=gravelly clay loam;gl.=gravelly loam;hv.=heavy;inc.=including;l.=loam;lfs.=loamy fine sand;ls.=loamy sand; mat/=material;med.=medium;mod.=moderate;noncalc.=noncalcareous;s.=sand;scl.= sandy clay loam;si.=silt;sic.=silty clay;sicl.=silty clay loam;sil.=silt loam; sl.=sandy loam;slt.=slightly;and tex.=texture. (From reference 3)

Table 3. — Characteristics and Estimated Crop Yields of Soil Association G — Warsaw-Carmi-Rodman Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
300 Abington	0–1	Black	cl	Dark gray	cl	Moderate	gcl-s	Good	92	33	39
285 Carmi	1–5	Very dark grayish-brown	l	Brown	cl-gcl	Moderate	g and s	Fair	80	28	38
286 Carmi	1–5	Very dark grayish-brown	sl	Brown	cl-gcl	Moderate	g and s	Fair	78	26	36
343 Kane	1–3	Black to very dark brown	sil	Gray and brown	cl	Moderate	g and s	Fair-good	90	34	37
289 Omaha	0–2	Very dark gray	l	Brown and gray	cl-gcl	Moderate	g and s	Fair	83	32	39
290 Warsaw	1–8	Very dark grayish-brown	sil	Brown	cl	Moderate	g and s	Fair	84	33	37
329 Will	0–1	Black to very dark brown	sicl	Dark gray	cl	Moderate	g and s	Fair	82	34	36
Associated soils											
318 Lorenzo	2–8	Very dark grayish-brown	sil	Dark brown	cl-scl	Moderately rapid	g and s	Fair to poor	68	24	32
305 Palestine	1–5	Very dark grayish-brown	l	Brown	cl-scl	Moderate	g and s	Fair	75	25	32
93 Rodman	7–25	Very dark brown	gl	Light and dark	g	Very rapid	gravel	Very poor	..	..	..
313 Rodman	1–8	Very dark brown	l	Light and dark	g	Very rapid	gravel	Very poor	..	..	..
155 Stockland	3–10	Very dark grayish-brown	l	Brown	g cl	Rapid	g or s	Poor	55	23	26
253 Stonington	3–10	Dark grayish-brown	l	Brown	g cl	Rapid	g or s	Poor	50	21	25
197 Troxel	0–2	Black	sil	Brown	sicl	Moderate	g and s	Very good	102	37	38
79 Volinia	2–7	Very dark grayish-brown	sil	Brown	scl-cl	Mod.-mod. rapid	s and g	Fair	82	30	38

Table 4. — Characteristics and Estimated Crop Yields of Soil Association H — Ringwood-Griswold-Durand Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
416 Durand	1–10	Very dark brown	sil	Reddish-brown	cl-sicl	Moderate	sl-l till	Good-very good	90	32	40
363 Griswold	2–10	Very dark brown	l	Brown	cl-scl	Moderate	sl till	Good-fair	84	30	38
412 Ogle	4–10	Very dark brown	sil	Brown	sicl	Moderate	sl-l till	Good-very good	90	31	39
297 Ringwood	2–7	Very dark brown	sil	Brown	cl	Moderate	sl till	Good-very good	94	35	4[illegible]
Associated soils											
191 Knight	0–1	Very dark gray	sil	Gray	sicl-cl	Mod. slow	sl-g	Good	78	34	36
197 Troxel	0–2	Black	sil	Brown	sicl	Moderate	g and s	Very good	102	37	38

Table 5. — Characteristics and Estimated Crop Yields of Soil Association I — LaRose-Saybrook-Lisbon Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
495 Corwin	3–10	Very dark brown	sil	Brown	cl-sicl	Moderate	l till	Good-very good	96	35	43
60 LaRose	7–15	Very dark grayish-brown	sil	Brown	cl	Moderate	l till	Fair-good	78	27	32
59 Lisbon	1–3	Very dark brown to black	sil	Gray and brown	sicl-cl	Moderate	l till	Very good	106	39	46
490 Odell	1–5	Very dark brown to black	sil	Gray and brown	cl-sicl	Moderate	l till	Good-very good	100	37	44
221 Parr	5–12	Very dark brown	sil	Brown and gray	cl-sicl	Moderate	l till	Good-very good	95	33	42
153 Pella	0–1	Very dark gray to black	sicl	Dark gray	sicl	Moderate	l wash	Good-very good	93	38	41
145 Saybrook	2–7	Very dark brown	sil	Brown	sicl-cl	Moderate	l till	Very good	98	36	44
Associated soils											
204 Ayr	2–8	Very dark brown	sl	Brown	scl	Mod. to mod. rapid	l till	Fair	84	31	35
152 Drummer	0–1	Black	sicl	Dark gray	sicl	Moderate	l wash	Very good	102	40	43

Abbreviations and symbols used in tables above are as follows: <=less than; >=greater than;c=clay;calc.=calcareous;cl.=clay loacm;f=fine;fs.=fine sand; fal.=fine sand loam;ft/=feet;g=gravel;gcl.=gravelly clay loam;gl.=gravelly loam;hv.=heavy;inc.=including;l.=loam;lfs.=loamy fine sand;ls.=loamy sand; mat/=material;med.=medium;mod.=moderate;noncalc.=noncalcareous;s.=sand;scl.= sandy clay loam;si.=silt;sic.=silty clay;sicl.=silty clay loam;sil.=silt loam; sl.=sandy loam;slt.=slightly;and tex.=texture.

(From reference 3)

Table 6. — Characteristics and Estimated Crop Yields of Soil Association J — Elliott-Ashkum-Andres Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
293 Andres	1–3	Black to very dark brown	sil	Gray and brown	cl	Moderate	sicl till	Good-very good	104	38	45
232 Ashkum	0–1	Black	sicl	Dark gray	heavy sicl	Moderately slow	sicl wash or till	Good-very good	94	36	40
146 Elliott	1–3	Very dark brown to black	sil	Gray and brown	hv. sicl-sic	Moderately slow	sicl till	Good-very good	92	34	42
157 Rankin	1–4	Very dark grayish-brown	sl	Brown	scl-hv. sl	Mod. to mod. rapid	sicl till	Fair-poor	70	23	26
594 Reddick	0–1	Black	sicl	Dark gray	cl	Moderately slow	sicl till	Good-very good	100	38	41
294 Symerton	2–8	Very dark brown	sil	Brown	cl	Moderate	sicl till	Good-very good	103	35	44
223 Varna	3–10	Very dark brown	sil	Brown	hv. sicl-sic	Moderately slow	sicl till	Good	80	32	36
141 Wesley	1–2	Very dark brown to black	sl	Gray and brown	sl-scl	Mod. to mod. rapid	sicl till	Fair	75	27	29
Associated soils											
103 Houghton	0–1	Black	muck	Black to very dark brown	muck	Moderate	peat	Good	90	35	...
97 Houghton	0–1	Black to dark brown	mucky peat	Dark brown	peat	Moderately rapid	peat	Fair-good	84	30	...
210 Lena	0–1	Black	muck	Black to very dark brown	muck	Moderate	peat	Good	88	32	...
100 Palms	0–1	Black	muck	Dark brown	muck	Moderate	heavy sl-sic	Good	82	30	...
330 Peotone	0–1	Black	heavy sicl	Very dark gray	heavy sicl	Moderately slow	sicl wash	Good	85	33	31

Table 7. — Characteristics and Estimated Crop Yields of Soil Association L — Seaton-Fayette-Stronghurst Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
61 Atterberry	0–3	Very dark gray	sil	Gray and brown	sicl	Mod. to mod. slow	sil loess	Very good	105	35	45
273 Decorra	2–12	Dark grayish-brown	sil	Brown and gray	heavy sil	Moderate	sil loess	Good-very good	85	29	32
386 Downs	3–7	Very dark grayish-brown	sil	Brown	sicl	Moderate	sil loess	Very good	100	33	40
263 Fall	1–3	Very dark grayish-brown	sil	Brown and gray	heavy sil	Moderate	sil loess	Very good	90	30	38
280 Fayette	3–12	Dark grayish-brown	sil	Brown	sicl	Moderate	sil loess	Good-very good	90	29	38
307 Iona	3–7	Dark grayish-brown	sil	Brown and gray	sicl	Moderate	sil loess	Good-very good	90	30	38
268 Mt. Carroll	2–7	Very dark grayish-brown	sil	Brown	heavy sil	Moderate	sil loess	Good-very good	85	29	32
723 Reesville	1–3	Dark grayish-brown	sil	Gray and brown	sicl	Mod. to mod. slow	sil loess	Good-very good	95	32	38
279 Rozetta	2–12	Dark grayish-brown	sil	Brown and gray	sicl	Moderate	sil loess	Good-very good	92	30	39
274 Seaton	3–15	Dark grayish-brown	sil	Brown	heavy sil	Moderate	sil loess	Good-very good	80	25	26
278 Stronghurst	1–3	Dark grayish-brown	sil	Gray and brown	sicl	Mod. to mod. slow	sil loess	Good-very good	98	33	40
19 Sylvan	7–18	Dark grayish-brown	sil	Yellowish-brown	sicl	Moderate	sil loess	Good-fair	60	20	28
633 Traer	0–1	Dark grayish-brown	sil	Gray and brown	heavy sicl	Slow to mod. slow	sil loess	Good-very good	90	28	26
116 Whitson	0–1	Dark grayish-brown	sil	Gray and brown	sicl	Slow to mod. slow	sil loess	Good-very good	90	28	27
Associated soils											
35 Bold	5–25	Brown	sil	Brown and gray	sil	Moderate	sil loess	Fair	48	18	24
232 Chute	10–25	Dark grayish-brown	fs	Pale brown	fs	Very rapid	fs	Very poor	...	...	...
563 Fay	2–6	Dark grayish-brown	sil	Yellowish-brown	sil	Moderate	sand	Good	78	26	27
30 Hamburg	18–45+	Brown	si	Yellowish-brown	si	Moderately rapid	si loess	Poor	...	...	...
281 Hopper	15–30	Dark grayish-brown	sil	Yellowish-brown	sil	Moderate	sil loess	Fair	...	...	...
271 Timula	4–15	Dark grayish-brown	sil	Yellowish-brown	sil	Moderate	sil loess	Fair	65	22	24
565 Wysox	3–10	Dark grayish-brown	sil	Yellowish-brown	sil	Moderate	sand	Fair	68	23	25

Table 8. — Characteristics and Estimated Crop Yields of Soil Association M — Birkbeck-Ward-Russell Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
233 Birkbeck	2–8	Dark grayish-brown	sil	Brown	sicl	Moderate	l-sicl till	Good-very good	90	33	42
496 Fincastle	1–3	Dark grayish-brown	sil	Gray and brown	sicl-cl	Mod. to mod. slow	l till	Good-very good	94	34	43
497 Mellott	3–7	Very dark grayish-brown	sil	Brown	sicl-cl	Moderate	l till	Very good	93	34	43
322 Russell	3–8	Dark grayish-brown	sil	Brown	sicl-cl	Moderate	l till	Good-very good	86	33	40
236 Sabina	1–3	Dark grayish-brown	sil	Gray and brown	heavy sicl	Mod. to mod. slow	l-sicl till	Good-very good	94	34	42
234 Sunbury	1–3	Very dark gray	sil	Gray and brown	heavy sicl	Moderate	l-sicl till	Very good	102	36	44
353 Toronto	0–2	Very dark gray	sil	Gray and brown	sicl-cl	Moderate	l till	Very good	100	35	43
207 Ward	0–1	Dark grayish-brown	sil	Dark gray to grayish-brown	heavy sicl	Mod. slow-slow	l-sicl till	Good	85	30	28
348 Wingate	1–4	Very dark grayish-brown	sil	Brown and gray	sicl-cl	Moderate	l till	Very good	95	35	43
291 Xenia	2–4	Dark grayish-brown	sil	Brown and gray	sicl-cl	Moderate	l till	Good-very good	92	34	41

Table 9. — Characteristics and Estimated Crop Yields of Soil Association S — Fox-Homer-Casco Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
327 Fox	1-8	Dark grayish-brown	sil	Brown to dark brown	cl	Moderate	gravel	Good-fair	78	27	33
326 Homer	0-2	Dark grayish-brown	sil	Yellowish-brown and gray	cl-sicl	Moderate	gravel	Good	83	30	34
Associated soils											
323 Casco	4-15	Dark grayish-brown	sil	Brown to dark brown	scl-cl	Moderately rapid	gravel	Fair-poor	60	20	25
325 Dresden	1-8	Very dark grayish-brown	sil	Brown to dark brown	cl-scl	Moderate	gravel	Good-fair	82	28	34
342 Matherton	0-2	Very dark gray	sil	Gray and brown	cl	Moderate	gravel	Good	85	32	34
364 Pistakee	0-2	Dark grayish-brown	sil	Dark grayish-brown-brown	sil	Moderate	sil wash	Very good	90	36	35
93 Rodman	7-25	Very dark brown	gl	Light and dark	g	Very rapid	gravel	Very poor	...	...	...
313 Rodman	1-8	Very dark brown	l	Light and dark	g	Very rapid-rapid	gravel	Very poor	...	...	...
253 Stonington	3-10	Dark grayish-brown	l	Brown	gcl	Rapid	g or s	Poor	50	21	25

Table 10. — Characteristics and Estimated Crop Yields of Soil Association T — McHenry-Lapeer-Pecatonica Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
227 Argyle	2-7	Very dark grayish-brown	sil	Brown to reddish-brown	sicl-cl	Moderate	sl-l till	Good-very good	85	28	35
225 Beaver	1-3	Very dark gray	sil	Brown and gray	sicl-cl	Moderate	sl-l till	Good-very good	89	32	36
419 Flagg	2-10	Dark grayish-brown	sil	Brown to reddish-brown	sicl-cl	Moderate	sl-l till	Good	82	28	33
361 Lapeer	5-12	Dark grayish-brown	l	Dark brown	cl-scl	Moderate	sl till	Fair	70	24	32
310 McHenry	1-6	Dark grayish-brown	sil	Brown	cl-sicl	Moderate	sl till	Good	83	30	33
414 Myrtle	2-8	Very dark grayish-brown	sil	Brown to reddish-brown	sicl-cl	Moderate	sl-l till	Good-very good	87	32	36
21 Pecatonica	2-7	Dark grayish-brown	sil	Brown to reddish-brown	sicl-cl	Moderate	sl-l till	Good	80	26	33
22 Westville	4-12	Dark grayish-brown	sil	Brown to reddish-brown	cl	Moderate	sl-l till	Good	76	25	31
Associated soils											
25 Hennepin	12-30+	Dark grayish-brown	l	Brown	l	Moderate	l till	Fair-poor	...	...	...
299 Nippersink	2-6	Very dark grayish-brown	sil	Brown	cl-sicl	Moderate	sl till	Good-very good	88	32	33
364 Pistakee	0-2	Dark grayish-brown	sil	Dark grayish-brown to brown	sil	Moderate	sil wash	Very good	90	36	35
292 Wallkill	0-1	Dark gray	sil	Dark grayish-brown	sil	Moderate	muck	Good-very good	90	34	32
296 Washtenaw	0-1	Dark gray	sil	Dark gray	sil	Moderate	sicl	Good-very good	93	35	32

Abbreviations and symbols used in tables above are as follows: <=less than; >=greater than;c=clay;calc.=calcareous;cl.=clay loacm;f=fine;fs.=fine sand; fal.=fine sand loam;ft/=feet;g=gravel;gcl.=gravelly clay loam;gl.=gravelly loam;hv.=heavy;inc.=including;l.=loam;lfs.=loamy fine sand;ls.=loamy sand; mat/=material;med.=medium;mod.=moderate;noncalc.=noncalcareous;s.=sand;scl.= sandy clay loam;si.=silt;sic.=silty clay;sicl.=silty clay loam;sil.=silt loam; sl.=sandy loam;slt.=slightly;and tex.=texture.

(From reference 3)

Table 11. — Characteristics and Estimated Crop Yields of Soil Association U — Strawn-Miami Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1963)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
616 Celina	1-7	Dark grayish-brown	sil	Brown and gray	cl	Moderate	l till	Good-very good	90	33	36
24 Dodge	1-10	Dark grayish-brown	sil	Brown	sicl-cl	Moderate	l till	Good-very good	89	32	35
62 Herbert	0-2	Very dark gray	sil	Gray and brown	sicl-cl	Moderate	l till	Very good	93	34	38
27 Miami	2-10	Dark grayish-brown	sil	Brown	cl	Moderate	l till	Good-very good	87	31	34
57 Montmorenci	1-4	Very dark grayish-brown	sil	Brown and gray	cl	Moderate	l till	Good-very good	94	34	39
656 Octagon	2-6	Very dark grayish-brown	l	Brown	cl	Moderate	l till	Good-very good	90	32	37
617 Otterbein	0-2	Very dark gray	sil	Gray and brown	cl	Moderate	l till	Good-very good	96	35	40
Associated soils											
25 Hennepin	12-30+	Dark grayish-brown	l	Brown	l	Moderate	l till	Fair-poor	...	...	...
205 Metea	1-7	Dark grayish-brown	sl	Brown	scl	Mod.-mod. rapid	l till	Fair	78	28	32
224 Strawn	6-15	Dark grayish-brown	sil	Yellowish-brown	cl	Moderate	l till	Fair	70	23	26

Table 12. — Characteristics and Estimated Crop Yields of Soil Association V — Morley-Blount-Beecher-Eylar Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1963)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
298 Beecher	1-6	Very dark gray	sil	Gray and brown	sic	Mod. slow-slow	sicl till	Good	86	32	38
23 Blount	1-5	Dark grayish-brown	sil	Gray and brown	sic	Mod. slow-slow	sicl till	Good	80	30	35
228 Eylar (Nappanee)	0-6	Dark grayish-brown	sil	Gray and brown	sic-c	Slow to very slow	sic-c drift	Fair	60	25	30
320 Frankfort	1-10	Very dark grayish-brown	sicl	Gray and brown	sic-c	Slow to very slow	sic-c drift	Good-fair	72	27	32
531 Markham	3-8	Very dark grayish-brown	sil	Brown	sic	Mod. slow-slow	sicl till	Good	82	31	37
194 Morley	4-12	Dark grayish-brown	sil	Brown	sic	Mod. slow-slow	sicl till	Good	70	27	32
560 St. Clair	3-15	Dark grayish-brown	sil	Brown and gray	sic-c	Slow to very slow	sic-c drift	Fair	58	22	27
Associated soils											
241 Chatsworth	10-20	Dark grayish-brown	sil	Gray	sic-c	Very slow	sic-c drift	Poor	...	...	...
210 Lena	0-1	Black	muck	Black to very dark brown	muck	Moderate	peat	Good	88	32	...
324 Lena	0-1	Black-brown	peat	Brown	peat	Moderately rapid	peat	Fair	70	25	...

Table 13. — Characteristics and Estimated Crop Yields and Soil Association X — Hagner-Ridgeville-Bloomfield-Alvin Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1963)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
98 Ade	2-10	Very dark brown	lfs	Yellowish-brown	ls-sl	Mod. rapid-rapid	sand	Fair-poor	69	28	32
131 Alvin	2-7	Dark grayish-brown	fsl	Dark brown	sl-scl	Mod.-mod. rapid	sand	Fair	69	26	29
144 Alvin	2-7	Dark grayish-brown	sl	Dark brown	sl-scl	Mod.-mod. rapid	sand	Fair	66	23	27
53 Bloomfield	2-12	Dark grayish-brown	fs	Strong brown	sl-ls	Mod. rapid-rapid	sand	Fair-poor	65	25	30
87 Dickinson	1-7	Very dark grayish-brown	sl	Dark brown	sl	Mod. rapid-rapid	sand	Fair-poor	70	28	31
201 Gilford	0-2	Very dark gray to black	fsl	Gray or dark gray	sl	Mod. rapid	sand	Fair-poor	75	30	30
88 Hagener	1-7	Very dark brown	ls	Yellowish-brown	ls-s	Rapid-very rapid	sand	Poor	62	25	28
172 Hoopeston	0-3	Very dark gray	sl	Gray and brown	sl	Mod. rapid-rapid	sand	Fair	75	25	28
237 Hoopeston	0-2	Very dark gray	l	Gray and brown	sl	Mod. rapid-rapid	sand	Fair	73	28	30
203 Kilbourne	0-2	Dark grayish-brown	ls	Gray	ls-s	Rapid	sand	Very poor	..	...	...
175 Lamont	1-7	Dark grayish-brown	fsl	Dark brown	sl	Mod. rapid-rapid	sand	Fair-poor	66	25	30
89 Maumee	0-1	Black to very dark gray	fsl	Gray	ls-s	Rapid	sand	Fair	78	28	29
150 Onarga	1-7	Very dark grayish-brown	sl	Dark brown	sl-scl	Mod.-mod. rapid	sand	Fair	75	28	28
190 Onarga	1-7	Very dark grayish-brown	fsl	Dark brown	sl-scl	Mod.-mod. rapid	sand	Fair	78	28	31
130 Pittwood	0-1	Black	fsl	Dark gray	cl	Mod.-mod. rapid	sand	Good	85	32	34
54 Plainfield	2-15	Dark grayish-brown	s	Yellowish-brown	s	Very rapid	sand	Very poor	40	...	18
90 Plainfield	2-15	Dark grayish-brown	fs	Yellowish-brown	s	Very rapid	sand	Very poor	45	..	20
151 Ridgeville	1-3	Very dark gray	fsl	Gray and brown	sl-scl	Mod.-mod. rapid	sand	Fair-good	83	33	36
156 Ridgeville	1-3	Very dark gray	sl	Gray and brown	sl-scl	Mod.-mod. rapid	sand	Fair-good	80	30	34
184 Roby	1-3	Dark grayish-brown	fsl	Gray and brown	scl-sl	Moderate	sand	Fair	65	29	35
185 Roby	1-3	Dark grayish-brown	sl	Gray and brown	scl-sl	Moderate	sand	Fair	62	25	32
178 Ruark	0-1	Dark grayish-brown	fsl	Gray	cl-scl	Slow	sand	Fair	60	24	29
49 Wateeka	0-3	Black to very dark gray	lfs	Gray and brown	ls-s	Rapid	sand	Poor-fair	71	25	29
Associated soils											
202 Biggs	0-2	Very dark grayish-brown	sl	Gray	ls	Rapid	sand	Poor	60	20	22
332 Billett	1-7	Very dark grayish-brown	sl	Dark brown	sl	Mod. rapid-rapid	sand	Fair-poor	69	27	31
265 Disco	1-6	Very dark brown	sl	Yellowish-brown	sl	Mod. rapid-rapid	sand	Fair-poor	70	29	32
613 Ebner	2-4	Very dark grayish-brown	fsl	Dark brown	sl-scl	Mod.-mod. rapid	sand	Fair-good	79	32	34
359 Epworth	1-7	Very dark grayish-brown	fsl	Brown	sl-scl	Mod.-mod. rapid	sand	Fair	74	27	30
31 Levan	2-10	Very dark grayish-brown	lfs	Strong brown	sl-ls	Mod. rapid-rapid	sand	Fair-poor	66	26	30
101 Milroy	0-2	Very dark gray	fsl	Gray	cl-scl	Slow	sand	Fair	66	28	30
187 Milroy	0-2	Very dark gray	sl	Gray	cl-scl	Slow	sand	Fair	65	27	30
270 Oquawka	2-10	Very dark grayish-brown	s	Yellowish-brown	s	Very rapid	sand	Poor-very poor	53	18	24
200 Orio	0-2	Very dark grayish-brown	sl	Gray	hv. scl.	Moderately slow	sand	Good-fair	80	32	35

Abbreviations and symbols used in tables above are as follows: <=less than; >=greater than;c=clay;calc.=calcareous;cl.=clay loacm;f=fine;fs.=fine sand; fal.=fine sand loam;ft/=feet;g=gravel;gcl.=gravelly clay loam;gl.=gravelly loam;hv.=heavy;inc.=including;l.=loam;lfs.=loamy fine sand;ls.=loamy sand; mat/=material;med.=medium;mod.=moderate;noncalc.=noncalcareous;s.=sand;scl.= sandy clay loam;si.=silt;sic.=silty clay;sicl.=silty clay loam;sil.=silt loam; sl.=sandy loam;slt.=slightly;and tex.=texture.

(From reference 3)

Table 14— Characteristics and Estimated Crop Yields of Soil Association W — Littleton-Proctor-Plano-Camden-Hurst-Ginat Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil: Color	Surface soil: Texture	Subsoil: Color	Subsoil: Texture	Subsoil: Permeability	Substratum	Resistance to drought	Estimated average yields under high level of management (1956 to 1965): Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
80 Alsia	3-7	Very dark grayish-brown	sil	Brown	sicl-cl	Moderate	sl-l outwash	Good	82	30	38
105 Batavia	1-4	Very dark grayish-brown	sil	Brown	sicl	Moderate	sl outwash or till	Very good	100	34	40
149 Brenton	0-2	Very dark brown to black	sil	Gray and brown	sicl-cl	Moderate	l-sl outwash	Very good	106	36	44
134 Camden	1-7	Dark grayish-brown	sil	Brown	sicl-cl	Moderate	l-sl outwash	Good	85	30	35
122 Colp	4-7	Dark grayish-brown	sil	Brown and gray	sio	Slow	sic-sicl lake-bed mat.	Fair	62	25	32
192 Del Ray	1-3	Dark grayish-brown	sil	Gray and brown	hv. sicl-sic	Slow	sicl lakebed mat.	Good	80	29	35
362 Dearock	0-3	Very dark gray	sil	Reddish-brown and gray	sio	Slow to very slow	sic-c lake-bed mat.	Good-fair	76	27	32
152 Drummer	0-1	Black	sicl	Dark gray	sicl	Moderate	l wash	Very good	102	40	42
75 Drury	3-7	Dark grayish-brown	sil	Yellowish-brown	sil	Moderate	sil wash	Good-very good	90	30	38
198 Elburn	0-2	Very dark brown to black	sil	Gray and brown	sicl	Moderate	sl outwash or till	Very good	113	37	46
341 Gilmer	3-5	Very dark grayish-brown	sil	Brown and gray	hv. sicl	Moderately slow	sicl lakebed mat.	Good-very good	90	32	36
460 Ginat	0-1	Dark grayish-brown	sil	Gray	sicl-cl	Slow	sl-l outwash	Fair-good	76	27	32
484 Harco	0-2	Very dark gray	sil	Gray and brown	sicl	Moderate	sil wash or loess	Very good	103	36	44
344 Harvard	1-4	Very dark grayish-brown	sil	Brown	sicl-cl	Moderate	l-sl outwash	Good-very good	93	32	38
338 Hurst	1-4	Dark grayish-brown	sil	Gray and brown	sio	Very slow to slow	sio lakebed mat.	Fair	65	26	33
242 Kendall	0-3	Dark grayish-brown	sil	Gray and brown	sicl	Moderate-mod. slow	sl outwash or till	Good-very good	96	34	42
102 LaHogue	0-2	Very dark gray to black	l	Gray and brown	cl	Moderate	sand	Good	90	35	40
81 Littleton	0-3	Very dark brown to very dark gray	sil	Gray and brown	sil	Moderate	sil wash	Very good	105	35	42
176 Marissa	0-2	Very dark gray	sil	Gray and brown	sicl	Moderately slow	sil lakebed mat.	Very good	95	34	40
467 Markland	4-7	Dark grayish-brown	sil	Brown and gray	sic-c	Slow	sic-sicl lake-bed mat.	Fair	63	26	33
189 Martinton	1-3	Very dark gray	sil	Gray and brown	heavy sicl	Mod. slow to slow	sicl lakebed mat.	Good-very good	95	35	40
173 McGary	1-4	Dark grayish-brown	sil	Gray and brown	sio	Slow to very slow	sio lakebed mat.	Fair	66	27	34
69 Milford	0-1	Black	sicl	Dark gray	heavy sicl	Moderately slow	sicl wash or till	Good-very good	94	36	40
219 Millbrook	0-3	Very dark gray	sil	Gray and brown	sicl	Moderate-mod. slow	l-sl outwash	Very good	97	33	41
84 Okaw	0-2	Dark grayish-brown	sil	Gray	sio-c	Very slow	sic-c lake-bed mat.	Poor	60	23	30
142 Patton	0-1	Very dark gray	sicl	Dark gray	sicl	Moderate	sil lakebed mat.	Very good	95	36	40
568 Perrot	0-2	Very dark gray	sicl	Grayish to reddish-brown	sio-c	Very slow	sil-sic lake-bed mat.	Fair	63	24	36
159 Pilot	2-7	Very dark grayish-brown	sil	Brown	sicl	Moderate	sand	Fair-good	80	25	33
199 Plano	1-4	Very dark brown	sil	Brown	sicl	Moderate	sl outwash or till	Very good	103	35	43
148 Proctor	1-4	Very dark brown	sil	Brown	sicl-cl	Moderate	l-sl outwash	Very good	100	34	43
723 Reesville	1-2	Dark grayish-brown	sil	Gray and brown	sicl	Moderate-mod. slow	sil loess or wash	Good-very good	95	32	38
482 Sciotoville	2-5	Dark grayish-brown	sil	Brown and gray	sicl	Moderately slow	sl-l outwash	Fair-good	80	26	34
125 Selma	0-1	Black	l	Dark gray	cl	Moderate	sl-c outwash	Good-very good	95	33	36
208 Sertoma	0-1	Dark grayish-brown	sil	Gray	heavy sicl	Slow	l-sl outwash	Good	85	23	33
132 Starks	0-3	Dark grayish-brown	sil	Gray and brown	sicl-cl	Moderate-mod. slow	l-sl outwash	Good-very good	89	31	39
243 St. Charles	1-6	Dark grayish-brown	sil	Brown	sicl	Moderate	sl outwash or till	Good-very good	92	32	40
211 Tamms	1-3	Dark grayish-brown	sil	Gray and brown	sicl	Moderate	sand	Fair-good	76	34	33
212 Thebes	2-7	Dark grayish-brown	sil	Brown	sicl	Moderate	sand	Fair-good	73	22	30
482 Uniontown	1-5	Dark grayish-brown	sil	Brown	sicl	Moderate	sil lakebed mat.	Good	80	36	32
104 Virgil	0-2	Very dark gray	sil	Gray and brown	sicl	Moderate-mod. slow	sl outwash or till	Very good	102	35	42
461 Weinbach	1-3	Dark grayish-brown	sil	Gray and brown	sicl	Slow to mod. slow	sl-l outwash	Good	82	31	38
463 Wheeling	1-7	Dark grayish-brown	sil	Strong brown	sicl-cl	Moderate	sl-l outwash	Fair-good	76	26	32
37 Worthen	2-5	Very dark brown	sil	Brown	sil	Moderate	sil wash	Very good	102	34	40
Associated soils											
732 Argo	0-2	Very dark grayish-brown	sil	Gray and brown	sil	Moderate	sil wash	Very good	94	33	40
188 Beardstown	0-2	Very dark gray	l	Gray and brown	cl	Mod. slow-mod.	sl-l outwash	Good	85	33	36
136 Brooklyn	0-1	Very dark grayish-brown	sil	Gray	heavy sicl	Slow	sl-l outwash	Fair	75	28	32
348 Downgate	2-7	Very dark grayish-brown	sil	Dark brown	scl-cl	Moderately rapid	sand	Fair	77	29	33
137 Ellsoe	1-4	Dark grayish-brown	sil	Yellowish-brown	cl	Mod.-mod. rapid	sand	Fair	73	26	30
469 Emma	1-4	Dark grayish-brown	sicl	Brown and gray	sicl	Moderately slow	sicl	Good	85	28	31
67 Harpster	0-1	Black to very dark gray	sicl	Dark gray	sicl	Moderate	l wash	Good-very good	98	36	39
191 Knight	0-1	Very dark gray	sil	Gray	sicl-cl	Moderately slow	sl-g	Good	78	34	36
255 Lomax	1-4	Very dark brown	l	Dark brown	l-sl	Mod. rapid	ls-s	Fair-good	77	26	29
465 Montgomery	0-1	Very dark gray	sio	Dark gray	sic-c	Slow	sic-c lake-bed mat.	Good	87	33	35
361 Niota	0-2	Very dark gray	sil	Grayish to reddish-brown	sio-c	Very slow	sil-sic lake-bed mat.	Fair	61	23	27
39 Oakford	2-7	Very dark grayish-brown	sil	Brown	sil	Moderate	sil wash	Very good	94	33	38
130 Pittwood	0-1	Black	fsl	Dark gray	cl	Moderate-mod. rapid	sand	Good	85	32	34
208 Thorp	0-2	Very dark gray	sil	Gray and brown	sicl	Mod. slow-slow	sl-l outwash	Good	87	31	36
197 Troxel	0-2	Black	sil	Brown	sicl	Moderate	g and s	Very good	102	37	38
110 Venedy	0-2	Very dark gray	sil	Gray and brown	sicl	Moderately slow	sic lake-bed mat.	Good	84	32	39
26 Wagner	0-2	Very dark grayish-brown	sil	Gray and brown	sio	Slow-very slow	sic-sicl lake-bed mat.	Good	80	30	35
578 Zwingle	2-4	Dark grayish-brown	sil	Grayish-reddish-brown	sio-c	Very slow	sil-sic lake-bed mat.	Fair	67	36	30

(From reference 3)

Abbreviations and symbols used in tables above are as follows: <=less than; >=greater than;c=clay;calc.=calcareous;cl.=clay loacm;f=fine;fs.=fine sand; fal.=fine sand loam;ft/=feet;g=gravel;gcl.=gravelly clay loam;gl.=gravelly loam;hv.=heavy;inc.=including;l.=loam;lfs.=loamy fine sand;ls.=loamy sand; mat/=material;med.=medium;mod.=moderate;noncalc.=noncalcareous;s.=sand;scl.= sandy clay loam;si.=silt;sic.=silty clay;sicl.=silty clay loam;sil.=silt loam; sl.=sandy loam;slt.=slightly;and tex.=texture.

Table 15.— Characteristics and Estimated Crop Yields of Soil Association Y — Channahon-Dodgeville-Dubuque-Derinda Soils[a]

Soil series No. and name	Dominant slope (percent)	Surface soil		Subsoil			Substratum	Resistance to drouth	Estimated average yields under high level of management (1956 to 1965)		
		Color	Texture	Color	Texture	Permeability			Corn bu./a.	Soybeans bu./a.	Wheat bu./a.
Major soils											
411 Ashdale	2-7	Very dark grayish-brown	sil	Yellowish-brown	sicl-cl	Moderate	limestone	Good	85	30	36
397 Boone	12-30	Dark grayish-brown	lfs	Brown	lfs	Rapid	sandstone	Very poor	...	...	...
389 Bullard	1-4	Very dark grayish-brown	sl	...	...	Rapid	sandstone	Very poor	...	...	...
315 Channahon	1-8	Very dark grayish-brown	sil	Brown	cl-sicl	Moderate	limestone	Poor	58	26	29
417 Derinda	5-12	Dark grayish-brown	sil	Brown and gray	sicl-sic	Slow	shale	Fair	63	22	25
40 Dodgeville	4-10	Very dark gray	sil	Yellowish-brown	sicl	Moderately slow	limestone	Fair-good	75	33	34
29 Dubuque	7-15	Dark grayish-brown	sil	Yellowish-brown	sicl	Moderately slow	limestone	Poor	43	15	22
547 Eleroy	4-10	Dark grayish-brown	sil	Yellowish-brown	sicl	Moderately slow	shale	Good-fair	70	25	27
551 Gosport	15-30+	Dark grayish-brown	sil	Brown	sic-c	Very slow	shale	Very poor	...	...	...
390 Hesch	1-7	Very dark brown	fal	Dark brown	fal-l	Mod.-mod. rapid	sandstone	Fair	75	28	32
506 Hitt	7-12	Very dark brown	sil	Dark brown	sicl-cl	Moderate	limestone	Good-fair	80	32	32
314 Joliet	0-1	Black	sicl	Dark gray	sicl	Moderate	limestone	Fair-poor	61	26	28
546 Keltner	4-10	Very dark grayish-brown	sil	Brown	sicl	Moderately slow	shale	Good	75	28	30
572 Loran	4-8	Very dark gray	sil	Gray and brown	sicl	Moderately slow	shale	Good	80	29	29
317 Millsdale	0-1	Black	sicl	Dark gray	sic	Mod. slow-slow	limestone	Good	80	32	32
429 Palsgrove	5-15	Dark grayish-brown	sil	Dark brown	sicl	Moderate	limestone	Good	75	27	29
220 Plattville	1-3	Very dark brown	sil	Gray and brown	cl-sicl	Moderate	limestone	Good	85	31	36
311 Ritchey	1-8	Dark grayish-brown	sil	Brown	cl	Moderate	limestone	Poor	50	20	26
316 Romeo	0-2	Very dark brown	sil	...	...	...	limestone	Very poor	...	...	...
418 Schapville	5-12	Very dark grayish-brown	sil	Brown and gray	sicl-sic	Slow	shale	Fair	68	25	27
410 Woodbine	5-15	Dark grayish-brown	sil	Dark brown	sicl-cl	Moderate	limestone	Good-fair	72	23	26
Associated soils											
471 Bodine	15-30+	Dark grayish-brown	cherty sil	Brownish-yellow	cherty sil	Rapid	chert	Very poor	...	...	...
511 Dubuque	12-25	Dark grayish-brown	cherty sil	Yellowish-brown	cherty sicl	Slow	limestone	Very poor	...	...	...
413 Gale	7-15	Dark grayish-brown	sil	Yellowish-brown	sicl	Moderate	sandstone	Poor	55	20	23
309 Keytesville	0-2	Dark grayish-brown	sil	Gray	sic-c	Slow to very slow	shale	Very poor	46	18	22
549 Marseilles	2-7	Dark grayish-brown	sil	Brown and gray	sicl	Moderate	shale	Good-fair	71	28	32

(From reference 3)

Abbreviations and symbols used in tables above are as follows: <=less than; >=greater than;c=clay;calc.=calcareous;cl.=clay loacm;f=fine;fs.=fine sand; fal.=fine sand loam;ft/=feet;g=gravel;gcl.=gravelly clay loam;gl.=gravelly loam;hv.=heavy;inc.=including;l.=loam;lfs.=loamy fine sand;ls.=loamy sand; mat/=material;med.=medium;mod.=moderate;noncalc.=noncalcareous;s.=sand;scl.= sandy clay loam;si.=silt;sic.=silty clay;sicl.=silty clay loam;sil.=silt loam; sl.=sandy loam;slt.=slightly;and tex.=texture.

Drainage (29)

Illinois is bordered by three major rivers, the Mississippi on the west, the Ohio on the south, and the Wabash on the east. Internally the state is drained by several large streams, including the Illinois, Rock, Kaskaskia, Big Muddy, Embarras, and Little Wabash Rivers, and also by many smaller streams. The following description of drainage in Illinois is taken from McCarthy (1972). Approximately 81 percent of the state is drained directly to the Mississippi via a southwestward-flowing tributary system. Most of the remaining 19 percent of the state is drained indirectly to the Mississippi via the Ohio and Wabash Rivers. Less than 0.1 percent of the state is drained into the Great Lakes system.

The Illinois River is the largest stream within the state, with its headwaters lying outside the state.

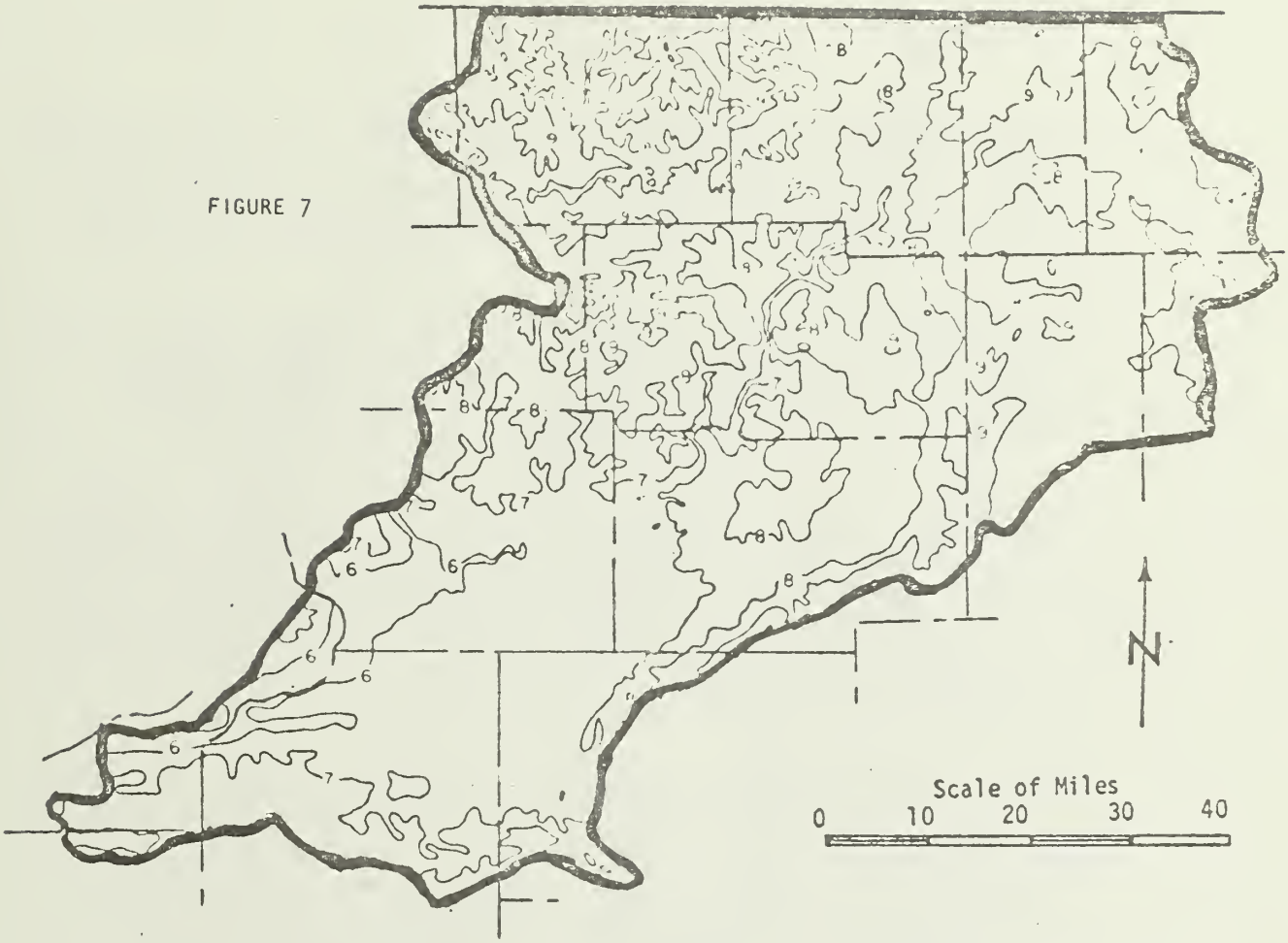
The second largest stream in the state is the Rock River. It drains the northwestern portion of the state as well as parts of adjacent southern Wisconsin. The Rock River Basin contains three major subbasins, the Pecatonica, Kishwaukee, and Green River Basins.

The Kaskaskia and Big Muddy Rivers enter the Mississippi in southwestern Illinois. The Kaskaskia, which is the larger of the two, has its headwaters in east-central Illinois. The drainage of the Big Muddy River is confined entirely to southern Illinois.

Drainage to the Ohio and Wabash Rivers consists of four major basins, those of the Vermilion-Wabash, Embarras, Little Wabash, and Saline Rivers. All four streams pursue generally southeasterly courses.

The topography of the Rock River Basin is shown in Figure 7.

FIGURE 7



EXPLANATION

Elevation Values Expressed
In Hundreds Of Feet
(Contour Interval 100 Feet)
(See reference 4)

TOPOGRAPHY OF ROCK RIVER BASIN

Source: ISWS

Hydrology (29)

The hydrologic parameters of Illinois streams show a general north-south gradient. These parameters are shown. The mean annual discharge from a 100 square mile basin increases from 55 cubic feet per second (cfs) in northwestern Illinois to 130 cfs in extreme southern Illinois.

The average runoff of streams in Illinois is about 9 inches a year in the central part of the state and about 15 inches a year in the southern part (Illinois Technical Advisory Committee on Water Resources). Figure 8 shows a northwest to southeast gradient of average annual runoff in cfs per square mile.

The north-south gradient of these hydrologic parameters is due to variation in climatic and physiographic characteristics which display similar gradients. Discharge extremes are greater in southern Illinois than northern Illinois because precipitation quantities and extremes are greater in the South than the North, and because the ratio of direct runoff to infiltration tends to be greater in the South than in the North.

The total drainage area of the Rock River Basin is about 10,900 square miles of which approximately 5,300 square miles is located in Illinois. The major tributaries of concern in Illinois are the Pecatonica River, the Kishwaukee River, and the Green River. The Pecatonica subbasin comprises about 25% of the total area, the Kishwaukee River about 11%, and the Green River about 10%. The available stream flow records of interest are the average flow conditions and the low flow in the basin. The drainage area at selected locations is given in Figure 9. The average daily flow is shown in Figure 10. Figure 11 shows the 7-day, 10-year low flow of major streams in the basin. The surface water reservoirs larger than 50 acres are shown in Figure 12.

Time of travel and depth of flow in the Rock River in Illinois has been significantly altered, from what would occur naturally, by the construction of channel dams that have created pools throughout most of the Illinois portion of the Rock River. Flashboards that increase water depths by approximately two feet are installed on many of the dams during low flow periods. A flow diversion of approximately 70 cfs, to provide feeder water for the Illinois-Mississippi canal, takes place at the Sinnissippi Dam. Flow diversions around the other dams for power generation purposes have either been discontinued or will be discontinued as the power generation plants are phased out of operation.

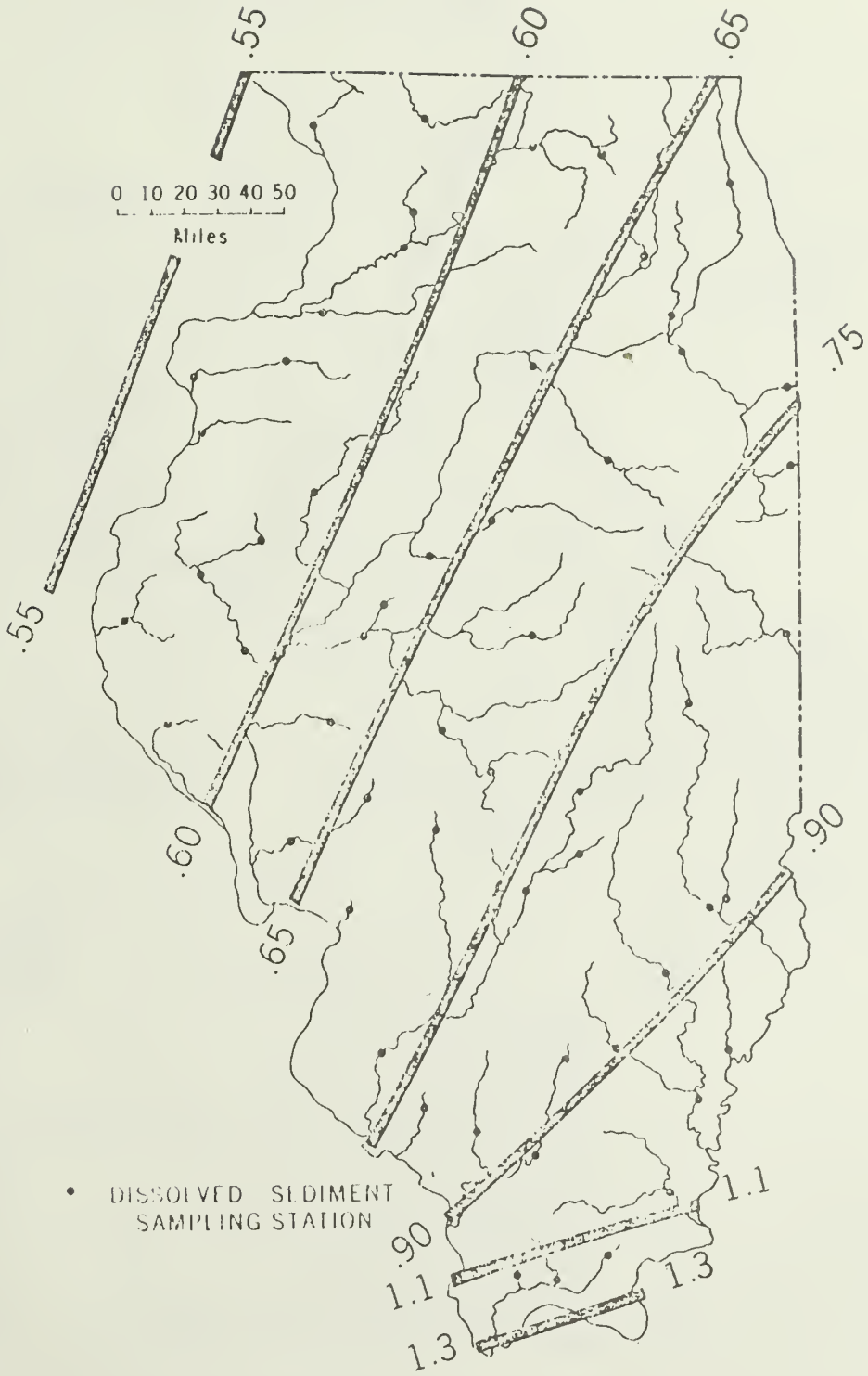
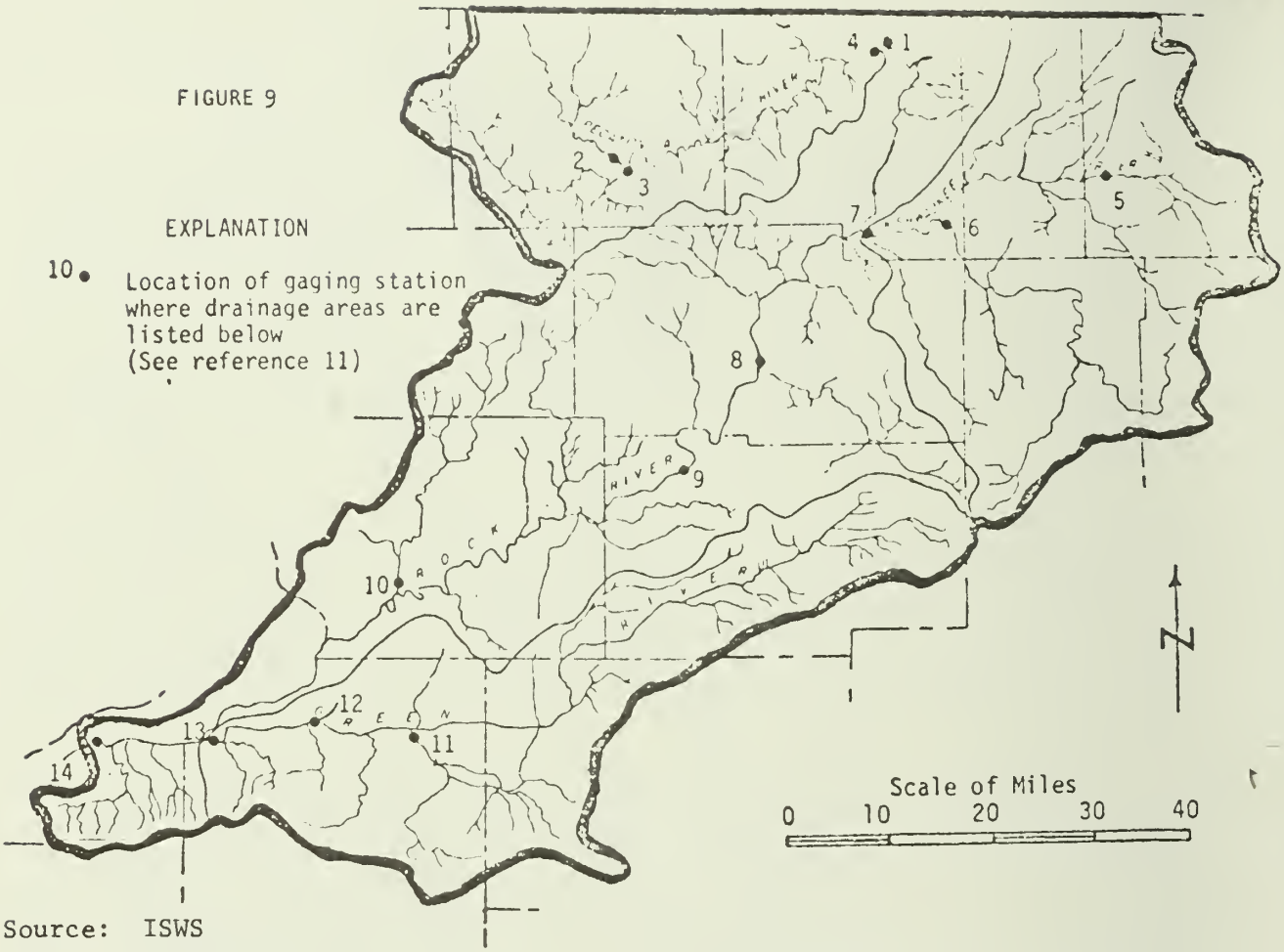


Figure 8. Average annual runoff in cfs, per square mile, Illinois Technical Committee on Water Resources, 1967.

FIGURE 9

EXPLANATION

10 • Location of gaging station where drainage areas are listed below (See reference 11)

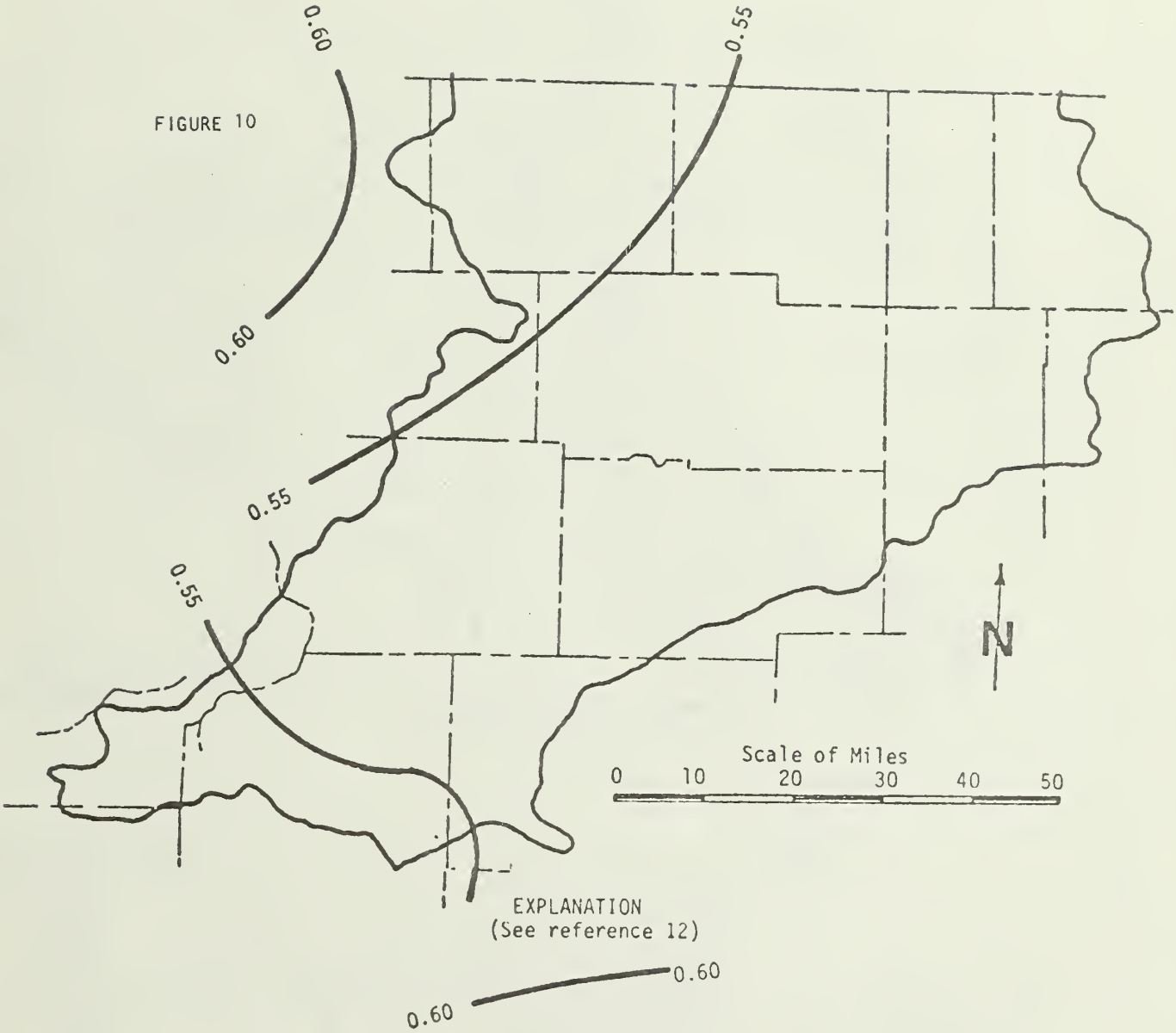


Source: ISWS

Map Code Number	Gaging Station	Drainage Area (Square Miles)
1	Rock River at Rockton	3,720
2	Pecatonica at Freeport	1,326
3	Yellow Creek near Freeport	196
4	Pecatonica River at Rockton	2,641
5	North Branch Kishwaukee River near Marengo	25.4
6	South Branch Kishwaukee River near Cherry Valley	440
7	Kishwaukee River near New Milford	1,257
8	Rock River at Oregon	8,205
9	Rock River at Dixon	8,608
10	Rock Creek at Erie	237
11	Mud Creek near Atkinson	244
12	Green River near Geneseo	1,009
13	Green River at Carbon Cliff	1,131
14	Rock River at Rock Island	10,917

DRAINAGE AREAS OF ROCK RIVER BASIN

FIGURE 10



Average daily flow for 100-mi^2 area
in cubic feet per second per square mile

AVERAGE DAILY STREAM FLOW IN ROCK RIVER BASIN

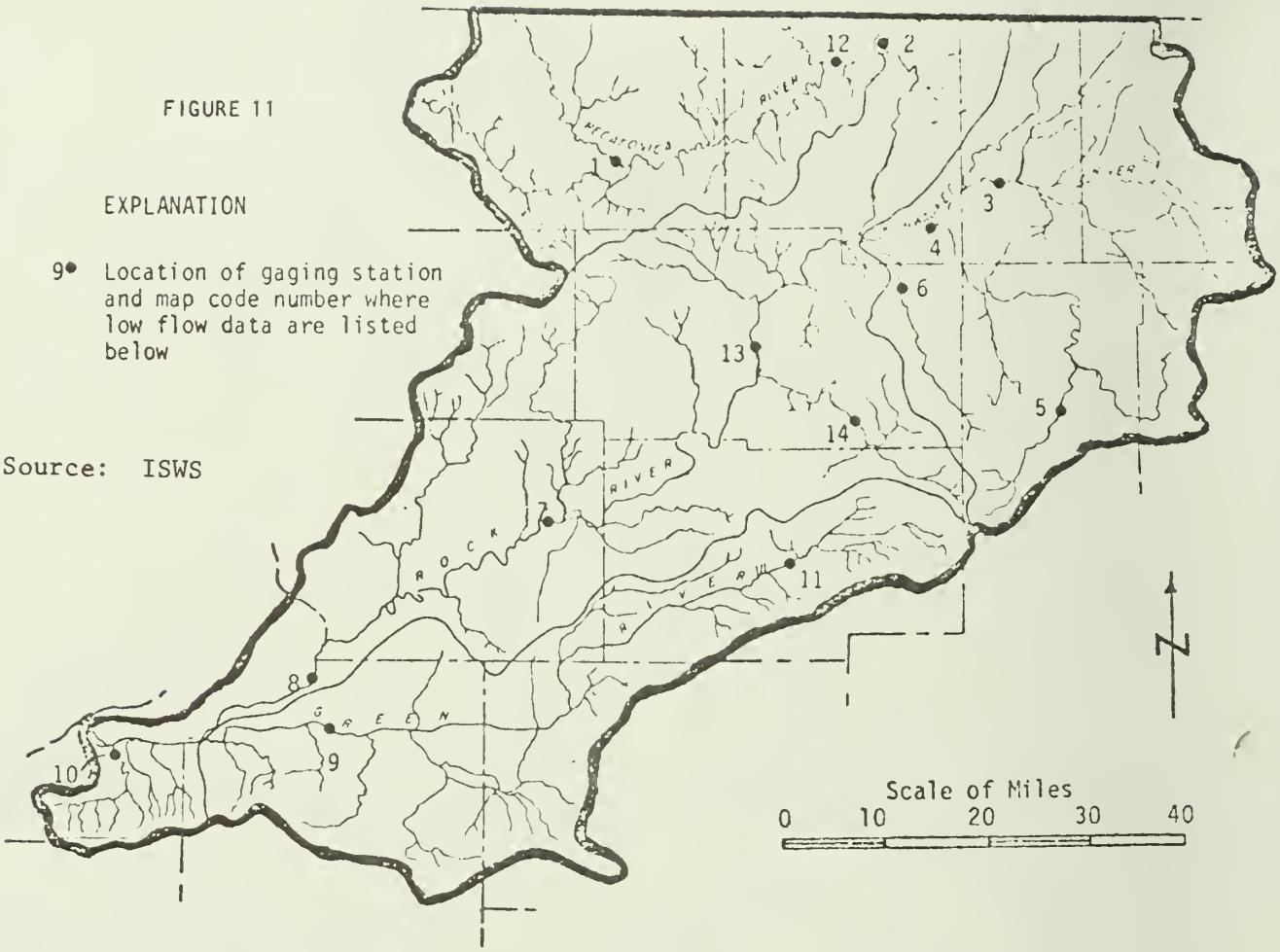
Source: ISWS

FIGURE 11

EXPLANATION

9• Location of gaging station and map code number where low flow data are listed below

Source: ISWS

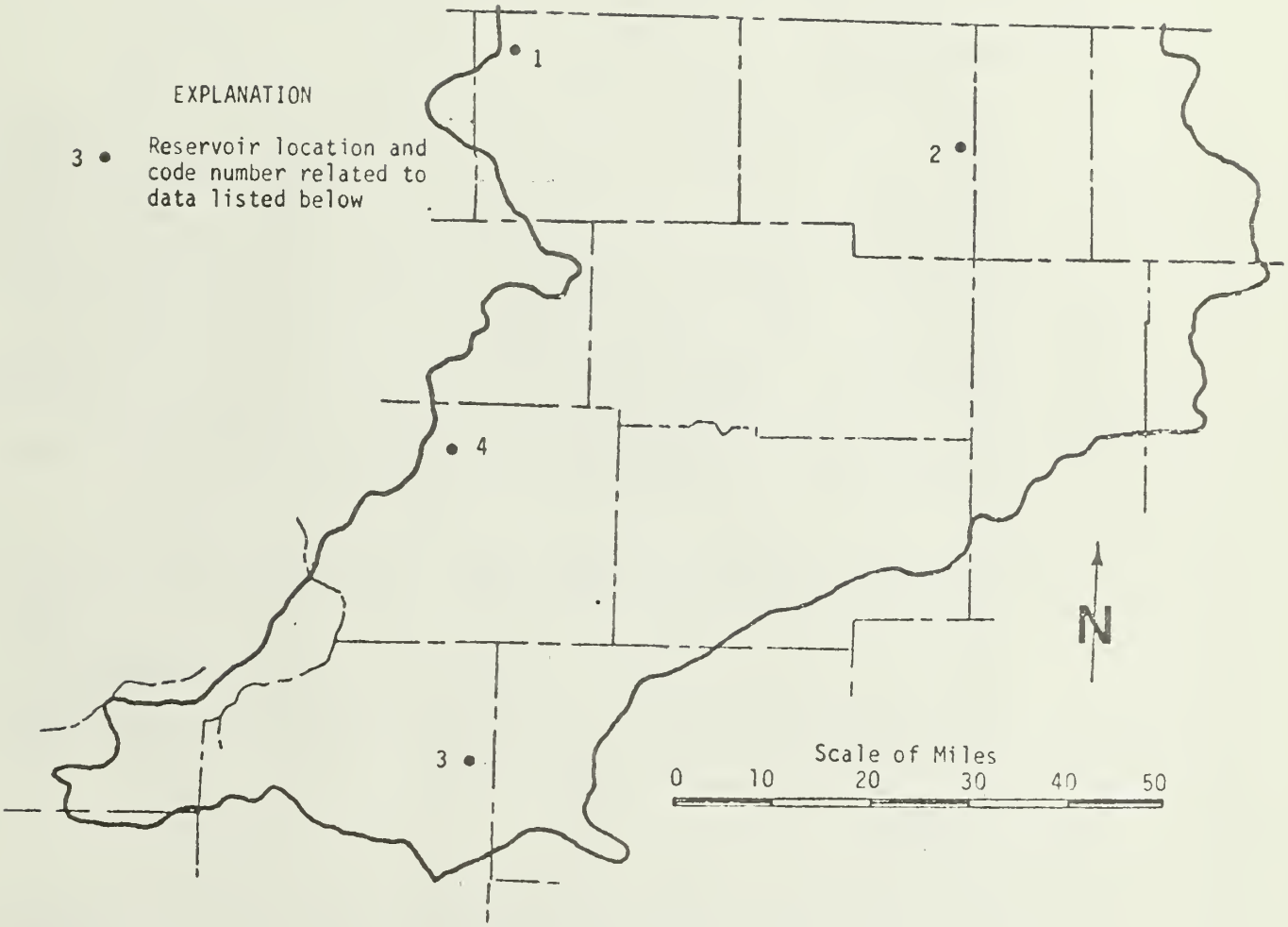


Map Code Number	Gaging Station	7-Day 10-Year Low Flow (Cubic Feet Per Second)
1	Pecatonica River at Freeport	181.
2	Rock River at Rockton	795.
3	Kishwaukee River at Belvidere	34.3
4	Kiswaukee River near Perryville	62.3
5	South Branch Kishwaukee River at Dekalb	0.10
6	Kilbuck Creek near Monroe Center	3.1
7	Rock River at Como	1,097.
8	Rock River near Joslin	1,306.
9	Green River near Geneseo	49.2
10	Mill Creek at Milan	0.10
11	Green River at Amboy	4.9
12	Pecatonica River at Shirland	393.0
13	Rock River at Oregon	1,100.0
14	Kyte River near Flagg Center	3.3

(See references 13 and 14)

SEVEN-DAY TEN-YEAR LOW FLOW OF STREAMS IN ROCK RIVER BASIN

FIGURE 12



Map Code Number	Watershed Area (Sq. Mi.)	Pool Area (Acres)	Capacity (Million Gallons)	Reservoir Name	Remarks
1	3.9	50	182	Le-Aqua-Na Lake	Conservation
2	-	162	-	Pierce Lake	Conservation
3	-	64	-	Johnson Sauk Trail Lake	Conservation
4	2.31	76.6	300	Lake Carlton	Conservation

(See reference 19)

SURFACE WATER RESERVOIRS LARGER THAN 50 ACRES IN ROCK RIVER BASIN

Source: ISWS

Streams

The significant streams in the basin are described below:

Rock River

The Rock River is the principal river in the Rock River Drainage Basin. It originates in the Horicon Marsh in Dodge County, Wisconsin, and flows in a general southwesterly direction into the Mississippi River just below the City of Rock Island, Illinois. The river is 385 miles long with 150 miles traversing Illinois and draining 9.5 percent of the total land area in the state. In the lower portion the Rock River has cut through a sandy plain, known as the Green River Plain, to a depth of 25 to 40 feet. The banks of the river are heavily timbered and have remained very stable. The predominant bottom type of the river is gravel interspersed with sand, rubble and silt. River depths are widely variable from 6 inch riffle areas to depths of 6 to 15 feet. Average width in the lower portion is about 550 feet and the gradient 1.0 foot per mile.

The river is rarely subject to severe flooding and usually when it does, it is in the late winter when ice jams cause the water to spill into the lowlands. Portions of the Rock River on the Henry County side have been diked to guard against such flooding. The Rock River valley is quite picturesque with the many limestone bluffs and rock outcrops in its timbered landscape. The Rock River is an excellent stream for canoeing. Fishing is heavy on the Rock River especially in the tailwater areas.

Green River

This 93 mile-long river extends from eastern Lee County, southwest across the corners of Whiteside and Bureau Counties, and then west to northwestern Henry County where it empties into the Rock River. The entire basin of the Green River covers 1,080 square miles draining 1.9 percent of the total land area in the state. For most of its course the river follows the northern boundary line of the Wisconsin terminal moraine. The stream has a primary bottom type of sand and gravel. It has an average width of 130 feet and a slope of 12 feet per mile.

The Green River also has a complicated history in the basin. Formerly in the 1880's the river flowed in an undiscernable channel through two vast swamps. These were Imlet Swamp in Lee County, and Winnebago Swamp in portions of Lee, Whiteside and Bureau Counties. The Swamps were drained in the early 1900's by a series of ditches. Presently, upon completion of the drainage district's work most of Green River has been dredged and straightened, reducing it to a canal-like environment. The high dredged spoils

along the stream rarely permit the river to overflow its banks. An intensive fishery survey was conducted on the Green River in 1967 and revealed quite a wide variety of species despite the canal-like environment. The tributaries to Green River include Big Slough Ditch, Main Union Special Ditch, Mineral Creek, Mud Creek, Spring Creek, Willow Creek and Winnebago Ditch.

Elkhorn Creek

This 48 mile-long stream traverses Whiteside, Carroll and Ogle Counties. The headwaters originate just west of Forreston in Ogle County and flow southwesterly emptying into the Rock River just below Como in Whiteside County. Elkhorn Creek drains fertile farmland. Its average width is 35.0 feet and gradient 2.6 feet per mile. The stream bottom is predominantly gravel interspersed with some silt and sand. Elkhorn Creek is subject to flash flooding in the late winter and early spring months. Domestic and dairy waste pollution originate in the community of Milledgeville in Carroll County. Domestic pollution also occurs from a sewage effluent which drains northwest Sterling. The tributaries include Jordan Creek, Skunk Creek, Spring Creek, and the Sugar Creek.

Kyte River

Approximately 120 square miles of fertile farmland in the southeastern portion of Ogle County are drained by this 113 feet per mile gradient stream. Kyte River originates about 4 miles north of Rochelle along U.S. Route 51 and flows in a general westerly direction emptying into the Rock River just south of Oregon. The lower two-thirds of the stream are undisturbed but the upper third has been dredged and straightened. Industrial and domestic pollution is received from the City of Rochelle.

Leaf River

Leaf River traverses the northwest portion of Ogle County where it drains approximately 100 square miles of cropland and pastureland. This 11.8 feet per mile gradient stream originates west of Forreston and flows in a westerly direction to its junction with the Rock River between Oregon and Byron. Pollution in the stream comes from Forreston on the main branch and German Valley on the north branch (Mud Creek.) The principal pollutants from these areas are the domestic sewage and dairy wastes from cheese factories and milk plants.

Kishwaukee River

The Kishwaukee River drainage basin occupies most of the northeastern part of the planning area. The watershed area of Kishwaukee River is estimated at 1,300 square miles of cropland and pastureland and covers parts of Boone, McHenry, Kane, DeKalb, and Winnebago Counties. The main tributaries include Beaver Creek, Piscasaw Creek, Coon Creek, South Branch Kishwaukee River and the Kilbuck Creek. The Kishwaukee River runs in a general east to west direction entering Rock River downstream of Rockford. Average width of the river is 80 feet and the gradient 1.5 feet per mile.

The stream is impounded by a 10 foot dam in the Belvidere City Park. The river supports a good population of fish, however a number of fish mortalities have been reported. The probably cause is the pollution from a number of communities discharging wastewater into the streams.

Pecatonica River

The Pecatonica River watershed is partly in Illinois and partly in Wisconsin and drains 2,610 square miles of which 770 are in Illinois. In Illinois the Pecatonica River watershed includes most of Stephenson County, the northwestern corner of Winnebago County and small sections of Carroll, Ogle, and Jo Daviess Counties.

The Pecatonica River has a total length of 158 miles with 92 miles in Illinois and a gradient of 55 feet. The river enters the left bank of the Rock River at mile 156 just below the Illinois-Wisconsin state line. The channel is very crooked, doubling back on itself frequently and forming oxbows. The channel of the Pecatonica River averages about 150 feet in width while the floodplain averages about a mile in width. The tributaries to the river include Richland Creek, Rock Run, Winneshiek Creek, Yellow Creek, and the Sugar River.

Lakes

There are no major reservoirs in the basin. However, there are a number of small lakes in the basin and eight channel dams on Rock River that create pools of some significance. The lakes in the basin with a surface area of 10 acres or more are listed below:

Boone County Conservation Lake (Boone Co.)

The lake has surface area of 12.4 acres and a maximum depth of 9.0 feet. The lake was originally constructed in 1949 in using the right-of-way of an old Chicago and Northwestern inter-urban line

on the dam site. In the spring of 1952 this dam was washed out and then reconstructed. Following reconstruction the lake and its watershed were rehabilitated by the Department of Conservation and lake restocked with fish.

East and North Lakes (Henry Co.)

These lakes are two of twenty one strip mine lakes and ponds used by the Atkinson Sportsmen's Club. The East Lake has a surface area of 11.5 acres and a maximum depth of 20.0 feet. The North Lake has a surface area of 15.0 acres and maximum depth of 25.0 feet. These long and narrow lakes are located southeast of Atkinson. Fishing is the major use of these water areas while boating is of lesser importance.

Howard Lake (Henry Co.)

This private lake has a surface area of 19.0 acres and maximum depth of 35 feet. This strip-mine lake, located two miles west of Annawan was formed in 1942 as water filled a long, narrow and deep depression left by the last cut in a strip-mining operation. The southern shoreline is bordered by undisturbed fertile farmland; the northern shoreline is bordered by spoil banks and is very irregular, having numerous coves and points. The area surrounding this long narrow lake abounds in native and migrant wildlife. The lake is named for the late Mr. Walter A. Howard of Geneseo, who was the original owner.

Johnson Sauk Trail Lake (Henry Co.)

This artificial impoundment, located six miles north and one mile east of Kewanee is part of a 857 acre State Park. The lake with a surface area of 58.0 acres and a maximum depth of 26.0 feet was constructed in 1956. The lake is situated in a broad, shallow valley surrounded by native oaks and pine plantings. Camping is the fastest growing form of recreation at the park. The fishing success at Johnson Sauk Trail Lake has been highly variable. During the spring and fall migration the lake is used by many species of waterfowl in moderate numbers as a resting stop. Hunting is not permitted on the park property.

Long Lake (Henry Co.)

This strip-mine lake, located one mile wast of Annawan has a surface area of 45.0 acres and a maximum depth of 30.0 feet. The lake is maintained by the 40 & 8 of the American Legion as a recreation area. The lake has a very irregular shape with one large island and many

of the smaller sizes. The southern shoreline of the lake is bordered by flat, fertile farmland, while most of the northern shoreline is bordered by steep spoil banks. The lake offers a wide variety of game and fur bearing animals, along with seasonal usuage of resting waterfowl.

Shadow Lake (Henry Co.)

This large, natural river bottom lake, located seven miles north of Geneseo, is now a privately operated recreational area. The lake has a surface area of 95.0 acres and a maximum depth of 7.0 feet. Since the construction of a levee in 1943, Shadow Lake is no longer directly connected to the Rock River. Excess water from the lake and its drainage area is now taken to the Rock River by means of a pumping station at the lower end of Shadow Lake. The lake area offers a wide variety of native game and fur bearing animals, along with seasonal usuage of resting waterfowl.

Windish Lake (Henry Co.)

The long, narrow strip-mine lake, located one and one half miles east of Atkinson, is leased by the Giant Goose Conservation - Education Workshop. The lake is part of a 200 acre recreation and conservation - Education Area. It was developed in 1939 by the Izaak Walton League of America in cooperation with the Peabody Coal Co. The lake has a surface area of 13.5 acres and a maximum depth of 30.0 feet.

Armstrong Gun Club - 2 Lakes (Lee Co.)

Armstrong Gun Club Lakes are located 4.5 miles west and 0.5 mile north of Sublette. Although the lakes were first constructed in 1946 the smaller one was recently enlarged in 1964. The club now has two watershed type lakes of 25 acres each in size with one flowing into the other. Even though the newest lake (west) has a maximum depth of 12 feet, both lakes have much shallow water that supports an extensive growth of aquatics with coontail being the primary plant species present.

Crystal Lake (Lee Co.)

The artificial impoundment located 1 1/2 miles southeast of Lee Center has a surface area of 30.0 acres and a maximum depth of 12.0 feet. Crystal Lake constructed in 1968 is a private recreational area with a number of facilities available.

Dixon Fishing Club (Lee Co.)

This area located 1/2 mile north of Nelson is also known as Fluck's Island Slough. It is actually a natural backwater lake to the Rock River. The entire backwater area itself is about 78 acres including 30 acres of water area owned by Mr. Earl Fluck.

Malibou Beach (Lee Co.)

Malibou Beach located 1 mile north of Nelson is best known as the former Butler Gravel pits. The lake has a surface area of 220 acres and a maximum depth of 43 feet. This private lake was constructed in 1948.

Bushnell Pond (Ogle Co.)

This artificial impoundment is located 3 miles southwest of Stillman Valley. The lake having a surface area of 11.2 acres and a maximum depth of 20 feet was constructed in 1963. Primary usage of the lake is recreation.

Illinois Central Railroad Sportsmen's Club Lake (Ogle Co.)

This abandoned gravel quarry is leased from the McGrath Sand Co. by the Sportsmen's Club. The pit is located two miles north of Forreston. It has a surface area of 10.0 acres, the maximum depth of 40.0 feet and was constructed in 1927.

Lake Louise (Ogle Co.)

Lake Louise is an old Great Western Railroad gravel reservoir with the date of first filling being about 1938. It is located 1.5 miles north of Byron on Illinois Route 2. The lake has a surface area of 12.8 acres and the maximum depth of 35 feet. The gravel pit has been rehabilitated several times throughout the years. Lake Louise has been used primarily for swimming with a beach house and concession stand built on the area.

Lost Nation Lake (Ogle Co.)

This artificial impoundment was built to provide recreation for residents of the subdivision six miles south and two miles west of Oregon. It has a surface area of 32.5 acres and a maximum depth of 15.0 feet. Lost Nation Lake has an excessive siltation problem from its watershed of 10,240 acres. It has already been dredged once at the point where Clear Creek enters the lake.

Lake Ogle (Ogle Co.)

This artificial impoundment is located three miles east and one mile south of Polo. It has a surface area of 24.0 acres and the maximum depth of 15.0 feet. Lake Ogle was designed by the Ogle County Soil Conservation Service. The lake was built for flood control with recreation as the primary water use.

Lake Le-Aqua-Na (Stephenson Co.)

This lake located in the Lake Le-Aqua-Na State Park 2 miles north of Lena, is one of the oldest state lakes maintained by the Illinois Department of Conservation. Lake Le-Aqua-Na with a surface area of 43.4 acres and the maximum depth of 27.0 feet was constructed in 1955.

Erie Boat Club Lake (Whiteside Co.)

Erie Boat Club Lake is a backwater lake of the Rock River located 1.25 miles southeast of Erie. The lake with surface area of 15.0 acres and a maximum depth of 5 feet is long and narrow and is connected to the Rock River on the lower end. Primary usuage of the lake is limited to fishing. Normally the lake is shallow except in the spring or during periods of high water in the Rock River.

Leo Johnson Lake (Whiteside Co.)

The lake is located 6 miles west of Sterling on private land. The lake with a surface area of 12 acres and the maximum depth of 17.0 feet was constructed in 1962. The primary use of this impoundment is fishing. Aquatic vegetation is not a problem, with only a small amount of filamentous algae present.

Sterling Bayou or Sinnissippi Bayou (Whiteside Co.)

Sterling Bayou with a surface area of 70.0 acres and the maximum depth of 6.0 feet is the result of construction of a railroad near the Rock River. This railroad crossed a backwater area creating a sort of dam and partially impounding the water known as Sterling Bayou. The Bayou is connected to the Rock River by two culverts which give water access to the area. It is also fed by a stream coming in on the northwest corner. The Bayou, a long, narrow body of water paralleling the Rock River, is located in Sinnissippi Park at the east edge of Sterling. The area is used primarily for recreation, with fishing most prevalent.

Whiteside County Lake (Whiteside Co.)

A state park consisting of approximately 700 acres of land surrounds this 76.6 acre artificial lake. The Whiteside County Lake Development is located 2.5 miles north of Morrison. The lake with the maximum depth of 27 feet is primarily used for recreation.

Channel Dams

The important characteristics of the eight channel dams are presented in Table 16. In the past they have served as a source of low head hydroelectric power, with heads developed by the plants ranging from 9 to 15 feet.

These flood control projects have been constructed by the Corps of Engineers in this plan area. Projects at Galena and DeKalb provide protection of urban property. The Galena project was completed in 1951 at a cost of $844,000 to the Federal Government and $146,000 of non-Federal costs. Cumulative damages prevented are estimated to be $1,198,000. The DeKalb project was completed in 1955 at a cost of $123,000 to the Federal Government and $44,000 of non-Federal costs. Cumulative damages prevented are estimated to be $45,000. A third project protects 9,690 acres of agricultural land along the Rock River in Penny Slough Drainage and Levee District. Federal expenditures amounted to $85,000. The project was completed in 1940. Cumulative flood losses prevented are estimated to total $2,799,000. Project details are given in Table 17.

TABLE 16 ROCK RIVER CHANNEL DAM CHARACTERISTICS

NAME	DAM TYPE	Low Flow Flashboards	River Miles	Drainage Area (mi.^{2})	Dam Height (ft.) w/o F.B.	Dam Height (ft.) w F.B.	Pool Length (mi.)	Dam Spill-way Width (ft.)	Estimated Time of Travel Through Pool (Days) 7-day 10-Year Flow	Estimated Time of Travel Through Pool (Days) Average Flow
Rockton	Slope Channel	No	159.1	3450	12.0	-	5.3	277	2.02	.383
Ferdham	OGEE	Yes	137.5	6533	13.0	15.0	11.7	653	2.67	.814
Oregon	OGEE with Hydraulic Jump	No	110.6	8195	10.0	-	13.9	871	2.76	.845
Dixon	OGEE	Yes	87.3	8666	12.4	14.4	12.2	607	3.43	1.01
Sinnissippi	OGEE with 18 Tainter Gates	Yes	73.8	8737	8.9	10.9	13.5	594*	8.67	2.48
Sterling	Slope Channel (Hyd. Jump)	No	72.9	8739	8.8	-	0.9	944	.220	.063
Steel	OGEE	Yes	4.7	10,831 flow splits 50-50	5.0	7.0	14.5	766	2.00	.656
Sears	OGEE	Yes	3.0		12.9	14.9	16.2	462		

* Tainter Gates Closed

Source: Argonne National Laboratory, Illinois River Basin Pilot Project. A Comprehensive Water Quality Study. 1973

TABLE 17

Existing Downstream Flood Control Projects
Rock River Basin —

Project Name	Name of Stream	Location city or mile	Levees and Floodwalls: Levee miles	Levees and Floodwalls: Acres Protected	Channel Improvement miles	Reservoirs: Flood Storage ac ft	Reservoirs: Area Controlled sq mi	Reservoirs: Project Construction Pool acres	Date of Completion	Reservoirs: Intended design flood	[illegible]	Maintained by
DeKalb Ill	South Branch of Kishwaukee River	DeKalb, Ill	2 6	225	2 6				1958	50 year Frequency R B 225 year	[illegible]	City of DeKalb Ill
Galena	Galena River	Galena Ill	1 6	50	0 25				1951	L B 17 year	[illegible]	City of Galena Ill
Penny Slough Drainage and Levee District Ill	Rock River	Near Hillsdale Ill	9 0	9 690					1940		[illegible]	Levee District Board
State of Illinois Project Alpine Dam and Reservoir	Keith Creek	Rockford Ill				1 5 R O 700 ac ft	7 1	none	1941	100 year	[illegible]	City of Rockford Ill
Local Project Keith Creek Channel Improvement	Keith Creek	Rockford Ill			1 5				1942	25 year	[illegible]	City of Rockford Ill

Source: Upper Mississippi River Basin Coordinating Committee. Upper Mississippi River, Comprehensive Study. Appendix I. 1970

Ground Water Supplies (8)

Principal aquifers in Illinois are unconsolidated sand and gravel formations of glacial drift deposits; partially cemented sandstones of Pennsylvanian, Mississippian, Ordovician, or Cambrian age; and consolidated deposits of creviced limestone or dolomite of Mississippian, Devonian, Silurian, and Ordovician rocks.

Recharge to these aquifers is primarily from precipitation percolating downward from the land surface. Sub-surface flow of ground water from other rock units and surface water infiltration from intersecting streams or lakes may contribute appreciable amounts of additional recharge. In places, liquid waste from surface storage or disposal areas also may add sizable amounts of recharge to shallow aquifers. The rate of water travel through the aquifer is very slow in comparison with that of overland water flow. Under normal hydraulic gradients, ground water may travel only a few feet a day through sand and gravel or creviced limestone and dolomite, and only a few feet a year through sandstone and other fine-grained deposits such as clay and shale.

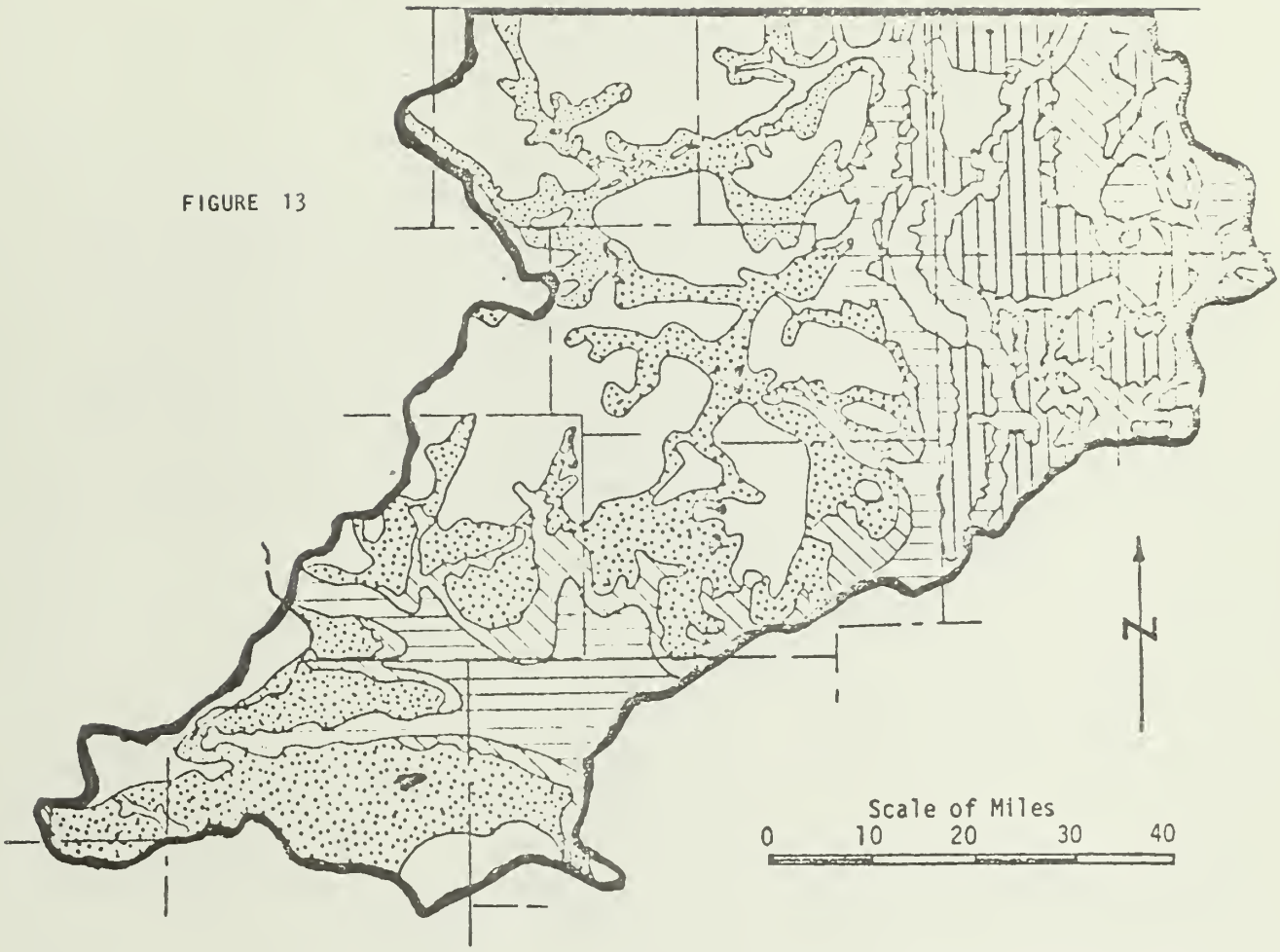
Shallow aquifers that intersect or lie near ground level readily receive, store, and transmit recharge downgradient from points of entry to natural discharge areas or nearby pumping centers. Deeply buried waterbearing units overlain by relatively impermeable shale or clay beds generally are effectively sealed from the surface. These must receive most of their recharge in outcrop areas of the aquifers.

Unconsolidated Aquifers (8)

Unconsolidated aquifers generally are contained within those parts of Illinois that were covered with permeable drift or outwash deposits by Wisconsinan glaciers. The surficial aquifers usually consist of very permeable sand and gravel capable of producing from about 100 to more than 500 gpm to properly constructed wells (see Figure 13).

Waterbearing formations in those parts of the state covered only by Illinoian glacial deposits are generally thinner and less permeable than those of the Wisconsinan deposits, and wells capable of producing in excess of 20 gpm are rare. A large number of the wells in these areas are less than 50 feet deep and are of the large-diameter dug type lined with uncemented brick.

FIGURE 13



Source: ISWS

EXPLANATION

AREAS WHERE MUNICIPAL AND INDUSTRIAL WATER SUPPLIES ARE USUALLY DEVELOPED FROM OTHER SOURCES

AREAS UNDERLAIN BY PRINCIPAL SAND AND GRAVEL AQUIFER AT LEAST 15 FEET THICK WHERE CHANCES OF OBTAINING WELLS WITH YIELDS OF

20 GPM OR MORE ARE GOOD

100 GPM OR MORE ARE GOOD

500 GPM OR MORE ARE GOOD

LOCATION OF OTHER POSSIBLE SAND AND GRAVEL AQUIFERS WHERE SMALL INDUSTRIAL AND MUNICIPAL WELL DEVELOPMENT MAY BE POSSIBLE AND CHANCES OF OBTAINING WELLS WITH YIELDS OF

20 GPM OR MORE ARE POSSIBLE

100 GPM OR MORE ARE POSSIBLE

(See reference 7)

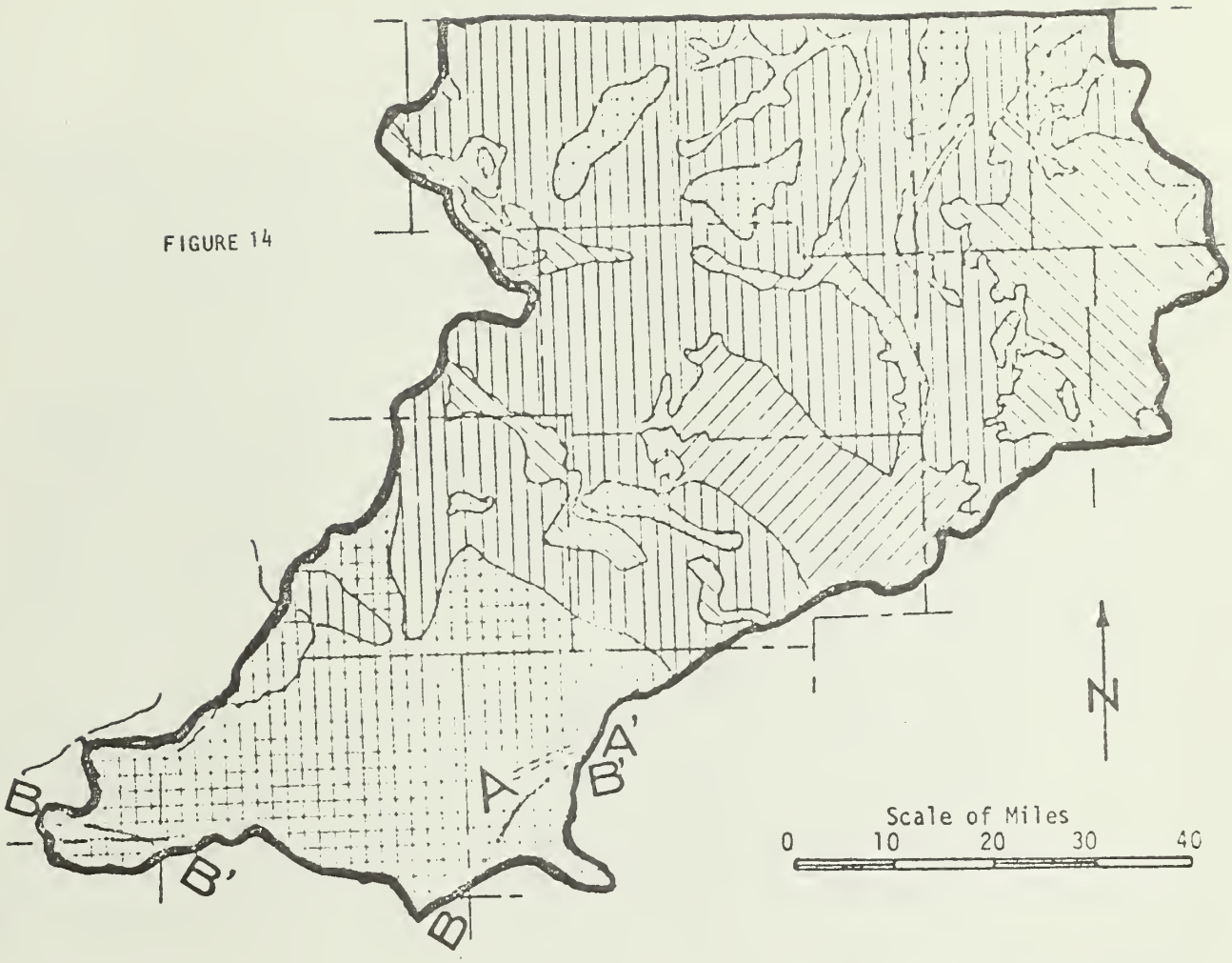
SAND AND GRAVEL WELL YIELDS IN ROCK RIVER BASIN

Bedrock Aquifers (8)

Bedrock aquifers in western and southern Illinois generally are outcrop areas of creviced Mississippian limestone; and in the northern part of the state consist of shallow dolomite formations of Silurian and Ordovician age. Wells tapping the limestones usually yield less than 20 gpm, whereas chances are good for obtaining wells with yields of 100 gpm or more from the shallow dolomites (see Figure 14). Wells tapping Pennsylvanian shale, sandstone, and limestone formations produce limited quantities of water, mostly for farm use, but yields in excess of 10 gpm are rare and dry holes are not uncommon. Also, highly mineralized water outflowing from deeper buried parts of the aquifers may be obtained from shallow wells in these areas.

Source: ISWS

FIGURE 14



EXPLANATION

Yields of wells in deep sandstone aquifers:

North of line B-B' deep sandstone wells will normally yield 500 gpm or more.

South of line B-B' deep sandstone wells will normally field between 100 and 500 gpm

A-A' is the southern limit of use of Mt. Simon Aquifer

Yields of wells in shallow dolomites and Mississippian and Pennsylvanian aquifers:

- 500 gpm or more from shallow dolomites are good
- 100 gpm or more from shallow dolomites are good
- 100 gpm or more from shallow dolomites are poor
- areas where shallow dolomites are missing

BEDROCK WELL YIELDS OF ROCK RIVER BASIN

Ground Water Pollution Potential (8)

Pollution is defined as an impairment of water quality by chemicals, heat, or bacteria to a degree that does not necessarily create an actual public health hazard, but that does adversely affect such waters for normal domestic, farm, municipal, or industrial use. The term contamination denotes impairment of water quality by chemical or bacterial pollution to a degree that creates an actual hazard to public health through poisoning or spread of disease.

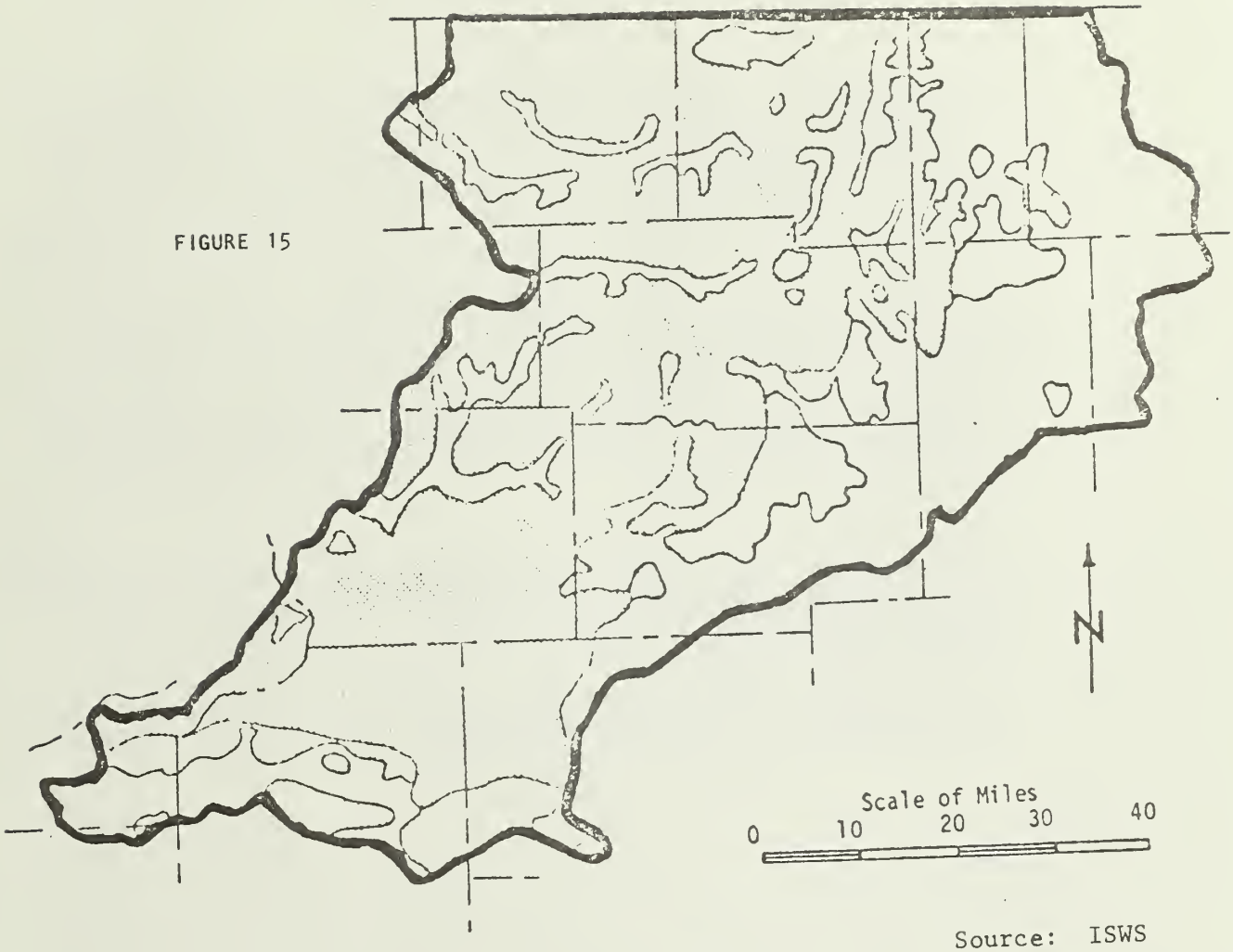
Figure 15 roughly outlines areas in Illinois where there may be danger of aquifer pollution now or in the future. Maps developed from the relatively limited information available, and to the scale presented, may not include many small, and as yet undefined, areas of high contamination potential. Field application of information contained in these maps should be accompanied in every case by a detailed evaluation of actual field geohydrologic conditions affecting the entry of surface contaminants at that particular site.

Outcrop areas of sand and gravel, sandstone, dolomite, and limestone aquifers as defined by Horberg, Weller, and Willman were the primary controls used to delineate areas of high, moderate, and low contamination potential shown on the map in Figure 15. Other information used included drillers' logs, records of wells, chemical analyses of water samples, temperature data, and recorded case histories of heat, chemical, and bacterial pollution from the files of the water survey, public health department, and geological survey.

Aquifer Contamination Potential (8)

Shallow limestone aquifers are extensively tapped as a source of dependable ground water supply for domestic, farm, and small town or industrial use in parts of western and southern Illinois. Primary recharge areas of these aquifers are usually visible as numerous sinkholes and large surface depressions. Recharge is from precipitation that enters the aquifers through well-developed systems of subterranean solution cracks and cervices connected to the bottoms of the surface depressions. Many wells tapping the limestones produce turbid ground water with high bacterial counts within only a few hours following periods of heavy rainfall, indicating that overland runoff is capable of moving quickly from the recharge areas with little or no sedimentation or filtration occurring in the aquifer system. When it is considered that the recharged water may have entered the aquifer several thousands

FIGURE 15



Source: ISWS

Groundwater
Pollution
Potential
(See reference 8)

HIGH

MODERATE

LOW

GROUNDWATER POLLUTION POTENTIAL IN ROCK RIVER BASIN

of feet away from the wells, and that prior to entering the aquifer it may have flowed over garbage or waste dumps, through barnlots and livestock feeder stations, across heavily cultivated and fertilized farmland, or from urbanized developments utilizing septic tanks for sewage disposal, it follows that the potential is great for serious ground water contamination in such water bearing units.

In all cases of this type a certain indication of potential contamination from surface sources is a marked increase in ground water turbidity following heavy rainfall periods. For this reason, limestone or dolomite wells producing turbid water at any time should as a matter of course be suspected of contamination, and all water from these installations should be chlorinated before being used for drinking.

Deeply buried parts of aquifers may be relatively free of contamination derived from surface sources, providing wells and test holes tapping these units are properly sealed. In the outcrop areas, however, waterborne contamination can directly enter exposed or thinly covered limestone and dolomite beds through systems of solutionized cracks and crevices. Surface-derived contaminants gain easy access to shallow sandstone or sand and gravel formations through interconnected uncemented pore spaces.

Land Use (9)

Illinois is one of the more populous states. Four-fifths of the total population is clustered into ten Standard Metropolitan Statistical Areas (SMSAs). Eighty-three percent of the state's total population is accounted for by urban population.

Rural activities are the dominant land use in the state, with the growing of crops being the dominant rural land use. The major crop is soybeans followed in order by corn, wheat, and hay (Illinois Cooperative Crop Reporting Service, 1974). However, during the time that the data used in this study, 1945-1971, were collected, the principle crop order was corn, soybeans, hay, and wheat (U.S. Bureau of the Census 1971b). The distribution of cropland is somewhat denser in the central and northern parts of the state than in the southern and western parts.

Woodlands and forests cover approximately ten percent of Illinois. Their density is greatest in the southern and western parts of the state. Densities of less than five percent are typical for the central and northern parts (Board of Economic Development, 1960).

Grazing lands are generally confined to the more hilly regions. They comprise approximately nine percent of the total land, and are most dense in the northwest, west, and south.

The quarrying of sand and gravel and the mining of coal are two additional significant uses of rural land. Sand and gravel quarrying occurs near major urban centers, principally Chicago. Extensive coal mining occurs in the Pennsylvanian bedrock of Illinois. Strip mining is the dominant recovery process along the outcrop margins of the Pennsylvanian strata, and underground mining is the dominant recovery process elsewhere. Illinois is the fourth ranked state in coal production (U.S. Bureau of Mines, 1972).

The total land area of counties partially included in the Rock River Basin is 3,205,056 acres, including 203,350 acres of urban built-up areas; 2,517,297 acres of cropland; 208,542 acres of pasture; 106,500 acres of forest; and 157,579 acres of other land (see Table 18).

There are only a few areas in the basin that have dense urban-industrial concentration. Portions of the Rock Island County and the City of Rockford in Winnebago County are the only areas in the basin posing complex urban-industrial pollution problems. As a large portion of the basin is devoted to agriculture and the raising of livestock, the major portion of the pollutional load in the basin is produced by non-point sources.

The trends for the basin show that the total acreage devoted to agricultural activities is decreasing by 10% over the forecast period. The change is primarily due to the decrease in pasture acreage. Such a decrease could be due to the increasing trend toward large commercial feed-lots for the raising of livestock. Crop acreage is expected to remain relatively constant and to be the dominant land use activity. Land areas devoted to urban and mineral extraction operations were considered as being static primarily due to the lack of sufficient historical data.

TABLE 18

LAND USE SUMMARY
ROCK RIVER BASIN
(All Values in Acres)

Principal counties in basin	INVENTORIED				NON INVENTORIED			
	Cropland	Pasture	Woodland	Other land	Federal non cropland	Urban and built up	Small and areas	Total
Boone	146,197	12,500	3,100	11,957	0	6,966	400	181,120
DeKalb	372,840	4,118	5,700	8,889	0	14,981	512	407,040
Henry	420,859	46,652	11,500	20,246	1,200	27,063	1,120	528,640
Lee	368,595	28,307	10,000	29,589	260	28,572	533	465,856
Ogle	368,307	37,389	30,800	21,299	0	23,185	3,500	484,480
Stephenson	273,595	30,980	11,600	18,025	0	28,584	736	363,520
Whiteside	359,197	27,596	18,300	11,641	300	23,989	577	441,600
Winnebago	207,707	21,000	15,500	35,933	0	50,010	2,650	332,800

(See reference 9)

Inventoried

Cropland includes all field crops, hayland, idle land, conservation use, and orchard land.

Pastureland includes land in grass or other long-term forage used primarily for grazing. It does not include rotation hay and pasture nor grazed woodland.

Woodland includes both commercial and non-commercial forestland. It is land at least 10 percent stocked by forest trees of any size.

Other land includes both land in-farms and land not-in-farms which is not used as cropland, pastureland, or forestland.

Non-inventoried

The non-inventory acres excluded from the inventory consists of federal land not leased for crops, urban-builtup land and water areas. The excluded water areas are ponds from 2 to 40 acres in size and streams less than 1/8 mile wide. Larger water areas were excluded from the total land areas.

Water quality in all streams in the state is appreciably affected by dissolved and suspended matter carried to the streams by runoff from the land surface. Two nonpoint sources which affect the water quality at all water quality sampling stations during all or part of the year are identified here as agricultural runoff and soil erosion. Other major nonpoint sources which contribute to water quality through the rainfall-runoff process but which affect only certain identifiable areas of the state are runoff from active and abandoned coal mining areas, intensive livestock and specialized agricultural operations, and storm drainage from urbanized areas and construction sites.

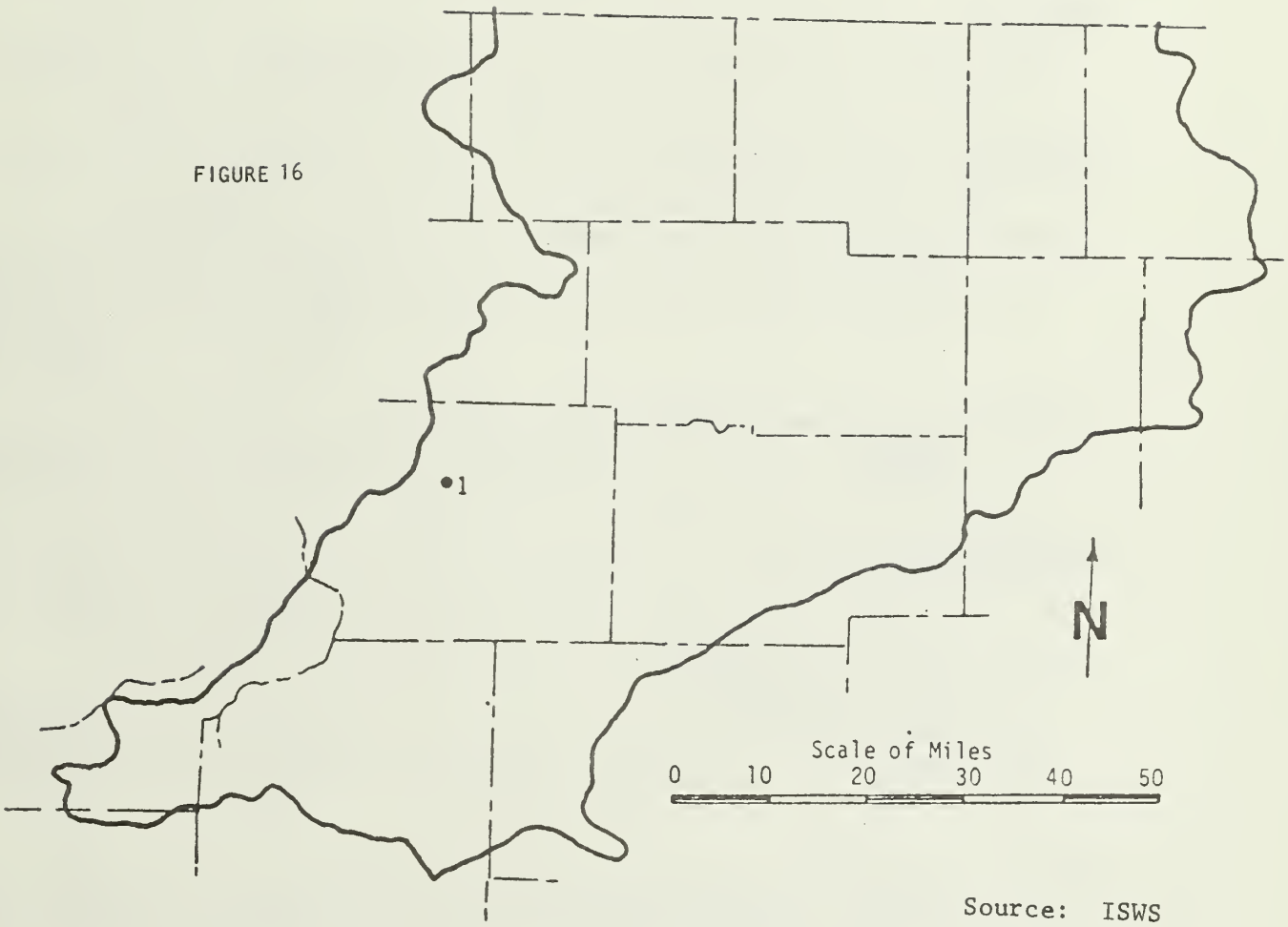
Agricultural runoff is considered in its broadest sense to include all runoff due to ordinary precipitation events. This runoff contains many contaminants, some in amounts which exceed water quality standards, from the ground surface and ground cover which have accumulated due to natural processes and non-intensive land husbandry. This runoff contains organic materials which are oxygen demanding, minerals derived from the soil or applied by man, fecal coliform, pesticides, herbicides, fertilizers, and other chemicals.

Soil erosion, as used here, results from runoff due to rainfall of sufficient intensity to scour the soil from the land surface. The severity and frequency of soil erosion is variable among events because of the conditions existing at a given time, such as the intensity of immediate rainfall, prior climatic conditions, soil cover, soil texture, and antecedent human activities. Eroded soil submits dissolved and suspended matter to the flowing water. The topsoil contains nutrients, organic matter, and many minerals and chemicals. Eroding subsoil contains iron and heavy metals. Eroding soil causes frequent iron violations at many of the water quality stations and has the potential of causing violations at all stations. Copper is found in the soil over most of the state. Other metals are found in certain areas.

Suspended matter in agricultural runoff and eroded soil, including soil eroded by wind, is deposited in stream and lake beds. The location of sedimentation surveys conducted in the Rock River Basin and a summary of data appears Figure 16 and Table 19.

The deposited soil can bury aquatic life, create an oxygen demand, and release nutrients and chemicals to the flowing stream or overlying lake water on a continuing basis. Material carried in agricultural runoff and from soil erosion does not maintain

FIGURE 16



Source: ISWS

EXPLANATION

2• Location of sedimentation survey and map code number where data are given on the next page (See reference 20)

SEDIMENTATION SURVEYS FOR RESERVOIRS LARGER THAN 50 ACRES IN ROCK RIVER BASIN

TABLE 19

LAKE CARLTON (Whiteside County)
Summary of Sedimentation Data

	Quantity	Units
AGE[1]	6.2	Years
WATERSHED		
Total Area[2]	2.21	Sq. Miles
	1,416.	Acres
RESERVOIR		
Area at spillway level	75.41	Acres
Storage capacity at spillway level		
1969	845.76	Acre-Feet
	276.6	Mil.Gal.
1975	822	Acre-Feet
	268.8	Mil. Gal.
Capacity per square mile of drainage area		
1969	382.8	Acre-Feet
1975	371.9	Acre-Feet
SEDIMENTATION		
Total sediment	23.76	Acre-Feet
	7.77	Mil. Gal.
Average annual accumulation		
From entire watershed	3.8	Acre-Feet
per square mile[3]	1.7	Acre-Feet
per acre[3]	115.2	Cubic Feet
tons per acre[4] (Dry Basis)	3.64	Tons
SEPLETION OF STORAGE		
Loss of original capacity-Total	2.81	Per cent
Loss of original capacity-per year	0.45	Per cent

1 Storage began in Sept. 1969 (Date of this survey Dec. 1975)
2 Including area of lake
3 Excluding area of lake
4 Average specific weight of sediment is 62.9 pounds per cubic foot based on 7 samples taken in 1975.

its identity and move directly to the oceans. It may be deposited and resuspended many times or settle permanently at some location. During the process it mixes with other materials and chemical changes may occur. Soluble material can become insoluble and insoluble material can become soluble.

The following summary which has been extracted from the Illinois Soil and Water Conservation Needs Inventory-1970 indicates the extent of conservation needs in the state. It is apparent that most of the state needs conservation measures for improved agricultural productivity. These measures, if carried out for large areas, will definitely improve the quality of the water in the streams in those areas by a reduction in the contaminants which come from nonpoint sources, however the climate of Illinois and the continuation or increase in the agricultural productivity in the state will still cause violations of the current water quality standards even after most of the conservation needs are met.

Illinois Soil and Water Conservation Needs Inventory, published in 1970 and prepared from data collected in prior years indicates the serious nature of soil erosion and the need for land treatment and watershed projects. The report indicates that about 75 percent of the area of the state is devoted to tilled crops and more than half of that area is in need of measures to reduce soil erosion. Soil erosion varies over the state. The annual average soil loss due to erosion on sloping cropland, evaluated by counties, varies from about 8 to about 11 tons per acre per year (See Figure 17).

The Inventory showed the following data pertaining to areas devoted to various land uses and need for conservation practices.

Table 20 Conservation Needs		% of	total Area
Total land area in Illinois excluding water areas over 40 acres	35,765,629	100	
Cropland	24,361,011	100	68.0
Cropland needing conservation measures	16,169,134	66	(45)
Non-inventory land			
Federal land, water areas 2 to 40 acres, urban uses	2,951,844		8.3
"Other"Land	1,522,507	100	4.3
Rural, not used for crops, pasture or forest			
Includes strip mined areas "Other" land needing treatment	534,684	30	(1.5)
Pasture	3,345,495	100	9.4
Pasture needing treatment	2,587,381	77	(7.2)
Forest land	3,584,772	100	10.0
Forest land needing treatment	3,046,611	85	(8.5
Total land needing erosion control			100.0 (61.6)

AVERAGE ANNUAL WATER EROSION IN TONS PER ACRE OF SLOPING CROPLAND

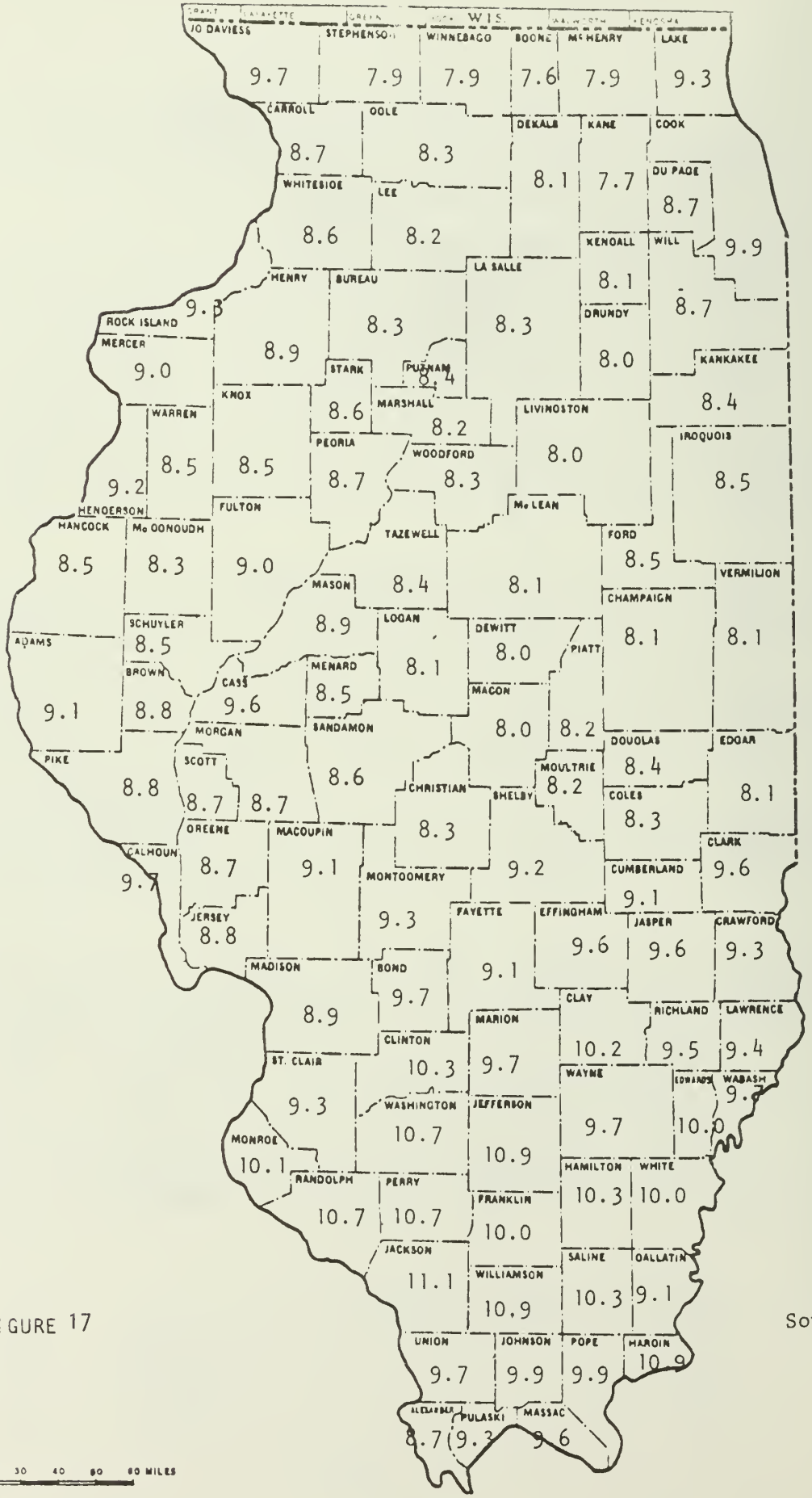


FIGURE 17

Source: ISWS

Summary of Needs

The Illinois Inventory of Soil and Water Conservation Needs shows the use and condition of our privately owned rural land today. The Inventory is part of a nation-wide study made on a county by county basis. U.S.D.A. and state agencies concerned with land use and conservation participated in the Inventory.

Land Use

Most Illinois land is used for tilled crops. Approximately 74 percent or 24.4 million acres of the inventoried land is devoted to this use. Corn and soybeans are king and queen. Nearly 17.6 million acres are devoted to these two important crops. Cropland increased from 23.9 million acres in the 1958 Inventory to 24.4 million acres in 1967.

Forestland occupies 3.6 million acres or nearly 11 percent of the rural land area. Most of it (3.46 million acres) is classified as commercial forest. The non-commercial forest is largely used for recreation and conservation purposes. Forestland has decreased from 3.9 million acres in 1958 to 3.6 million in 1967.

Pastureland is our third largest use for rural land. A little over 10 percent or 3.35 million acres of Illinois land is used to pasture livestock. This use has increased very slightly from 3.31 million acres in 1958 to 3.35 million acres in 1967.

Other land has decreased from 1.8 million acres in 1958 to 1.5 million in 1967. Land classified as other land is rural land not used as cropland, forestland, or pastureland. Some of it is used for wildlife and recreation.

The Inventory acreage was determined by subtracting from the total land area that which was in federal land, water areas, and used for urban purposes.

Conservation Needs

Cropland- About 66 percent of Illinois cropland needs additional conservation treatment. Nearly 21 percent needs the application of contour farming practices with about half of this needing terraces or diversions to minimize soil erosion.

The remaining need on 20 percent of the cropland is for additional protective cover during periods of wind or water erosion. This need for cover includes the need for crop residues, cover crops, and minimum tillage.

Crop rotations, including sod, are the greatest need on nine percent of the cropland. Three percent of the cropland needs to be converted to trees or grass to properly control the erosion hazard.

Drainage is the primary need on 13 percent of the cropland.

The Inventory indicates only the most needed measure for each acre as determined from sample areas by a soil conservation technician. These needs were based on his judgment as guided by soil conservation service guidelines, the prevailing agricultural operations on the sample area, and the practical basis and guides used in the development of conservation plans.

It is recognized that there are needs for other practices or measures not included in this Inventory. Supporting practices such as grassed waterways, grade or erosion control structures, and ponds are widely needed.

Most conservation practices are used in combination with other conservation practices. However, the Inventory does not show this relationship since only the most needed practice or measure was determined for each acre not adequately treated.

Forestland-Nearly 57 percent of the woodland would benefit from stand improvement by thinning out mature trees and undesirable or weed trees. Planting to thicken the stand is needed on about 28 percent of Illinois forestland.

Protection from grazing is the most needed practice on Illinois woodland. Nearly 35 percent of the woodland is being harmed by grazing. The need for fire protection and disease and insect control is also extensive.

Pastureland-Nearly 77 percent of Illinois pastureland needs some treatment. On 44 percent the greatest need is for reestablishment by reseeding. Over 38 percent needs improvement by fertilization, weed control, or grazing regulation. The remaining two percent requiring treatment, needs to be planted to trees and used for wildlife, woodland, or recreation.

Other Land-Some of our most critical erosion, particularly that contributing heavily to downstream pollution by sediment occurs on "other land". Road cuts, borrow areas, and strip mines are included in this category. About 36 percent of the "other land" on farms needs conservation measures, and about 34 percent of the "other land" not in farms needs treatment. The treatment needed may vary from seeding grass on the less critical areas to riprapping with stones on the extremely critical areas. Some of this land has high potential for wildlife or recreational use.

Watershed Project Needs

The need for watershed projects was appraised as a separate activity from the land use and treatment inventory. This appraisal identifies the need for project-type action over and beyond the treatment needs for each major land use. The number of watersheds determined to be feasible for project action is listed by major drainage area, principal drainage basin, and subbasin (see Table 21).

State-wide, 679 watersheds were delineated of which 294 were appraised as being potentially feasible for project development. Watersheds were considered potentially feasible if they were physically feasible and if the estimated benefits to flood prevention and water use were equal to or greater than estimated project costs.

TABLE 21

Inventory of potentially feasible watersheds less than 400 square miles in area with the kinds and extent of problems needing project action 1/

Major drainage area, principal drainage basin, subbasins	Watersheds feasible for project action		Kind and extent of problems									
			Flood prevention			Agricultural water management			Nonagricultural water management			
			Floodwater and sediment damage		Erosion damage	Drainage	Irrigation	Rural water supply	Municipal or industrial water supply	Recreational development	Fish & wildlife development	Water quality management
			Agricultural	Urban								
	Number	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Number	Number	Number	Number	Number
Ohio River	82	4907.3	509.6	1.5	305.5	679.8	7.0	57	58	41	30	27
Cache River	2	238.7	30.1	0	8.1	14.3	0	1	1	1	1	1
Direct Ohio Tributaries	10	325.6	32.1	0	12.1	11.9	0	10	10	0	0	0
Saline River	8	573.4	130.7	.2	50.8	141.1	0	3	6	1	1	1
Wabash River	62	3769.7	316.7	1.3	234.6	512.4	7.0	43	41	39	37	25
Direct Wabash Tributaries	12	533.5	50.5	0	21.5	55.0	0	10	9	9	9	6
Vermilion River	4	675.2	27.4	.6	37.9	69.0	0	4	2	1	2	1
Embarras River	18	975.7	57.2	.2	37.4	120.3	0	6	10	13	12	9
Little Wabash River	28	1585.3	181.6	.4	137.8	268.1	7.0	23	20	16	14	9
Direct Little Wabash Tribs.	16	1013.1	76.6	.4	92.6	166.6	7.0	12	9	10	8	6
Skillet Fork	12	572.2	105.0	0	45.2	101.5	0	11	11	6	6	3
Upper Mississippi River	212	14592.5	1127.5	37.3	2209.2	1573.4	3.3	186	141	66	86	70
Big Muddy River	10	1043.2	100.6	.4	134.9	355.3	1.5	10	5	3	2	3
Cache River	8	190.3	50.0	.1	47.4	29.6	0	8	7	3	3	8
Illinois River	108	7468.3	507.3	33.8	1012.1	658.8	1.5	95	74	36	45	37
Direct Illinois Tribs.	36	2597.5	216.2	2.9	412.4	110.2	0	33	28	8	13	10
Kankakee River	16	1017.7	90.2	27.0	82.4	291.3	1.0	15	11	1	1	2
Direct Kankakee Tribs.	1	78.4	6.0	0	7.0	15.0	0	1	1	0	0	0
Iroquois River	10	585.7	47.2	.7	65.1	208.1	0	10	10	1	0	2
Des Plaines River	5	353.5	37.0	26.3	10.4	68.2	1.0	4	0	0	1	0
Fox River	4	236.7	44.9	3.3	.6	46.2	.5	4	2	1	0	1
Vermilion River	2	143.2	4.5	0	4.3	6.3	0	2	1	2	2	2
Mackinaw River	6	276.8	14.6	.4	37.7	14.0	0	5	6	4	5	4
Spoon River	12	801.6	42.4	0	225.5	54.4	0	8	8	5	3	3
Sangamon River	17	1296.5	45.7	.2	62.6	81.4	0	17	10	7	12	7
Direct Sangamon Tribs.	7	293.4	6.2	.2	43.9	14.0	0	7	4	6	7	6
Upper Mississippi (cont.)												
South Fork	2	146.4	1.9	0	.1	17.0	0	2	0	1	2	0
Salt Creek	8	856.7	37.6	0	18.6	50.5	0	8	6	0	3	1
LaMoine River	8	674.2	20.1	0	111.8	39.3	0	7	3	3	3	3
Macoupin Creek	7	424.0	28.8	0	74.8	15.7	0	4	5	5	6	5
Kaskaskia River	33	2322.1	158.6	.7	342.3	275.9	0	24	14	12	13	9
Direct Kaskaskia Tribs.	29	1943.8	131.3	.7	316.0	245.2	0	20	13	11	12	8
Shoal Creek	4	378.3	27.3	0	26.3	30.7	0	4	1	1	1	1
Direct Mississippi Tribs.	38	2423.8	225.2	2.3	460.4	197.0	.3	35	27	8	13	7
Rock River	15	1144.8	85.7	0	212.1	56.8	.1	14	14	4	10	6
Direct Rock River Tribs.	7	559.7	55.3	0	121.5	41.8	.1	6	7	0	4	2
Pecatonica River	5	288.6	12.6	0	27.3	8.8	0	5	5	2	3	1
Direct Pecatonica Tribs.	4	258.3	11.1	0	17.3	5.3	0	4	4	1	2	1
Sugar River	1	30.3	1.5	0	10.0	3.5	0	1	1	1	1	0
Green River	3	296.5	17.8	0	63.3	6.2	0	3	2	2	3	3
Illinois State Totals	294	19499.8	1637.0	38.8	2514.8	2253.2	10.3	243	199	107	125	97

1/ Each delineated watershed was appraised by experienced planners as to potential physical and economic feasibility for developments. A watershed was considered potentially feasible if it was estimated that potential benefits would be equal to or greater than estimated costs for flood prevention or agricultural water management.

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CHAPTER IV

SEGMENT ANALYSES

The water quality problems of a given river basin are best described in terms of its component parts, the segment or sub-basin.

Uniform criteria have been applied in identifying segment boundaries. Two basic types of segments have been identified, after consideration of the following factors:

Type A - Sub-basin segments

- Ratio of tributary flow to main stem flow at confluence;
- Significant water quality differential;
- Size of sub-basin; and
- Clusters of discharges on tributaries.

Type B - Main stem segments

- Existence and location of clusters and identified urban industrial areas;
- Significant hydrological changes in character of river; and
- Confluence of sub-basin segment tributaries with main stem.

Figure 1 depicts the basin with its related segments. See Appendix A for more precise basin maps.

Objectives of Segment Analyses

A segment analysis consists of an assessment of existing and potential water quality violations within the segment, including identification of the types and degree of problems, and the sources of pollutants (both point and nonpoint sources) contributing to those violations. The water quality violations are described in terms of existing and potential violations of water quality standards. The analysis identifies the specific water quality parameters requiring additional limitations beyond the currently projected point source controls. The upstream sources that contribute or may contribute to such violations are identified.

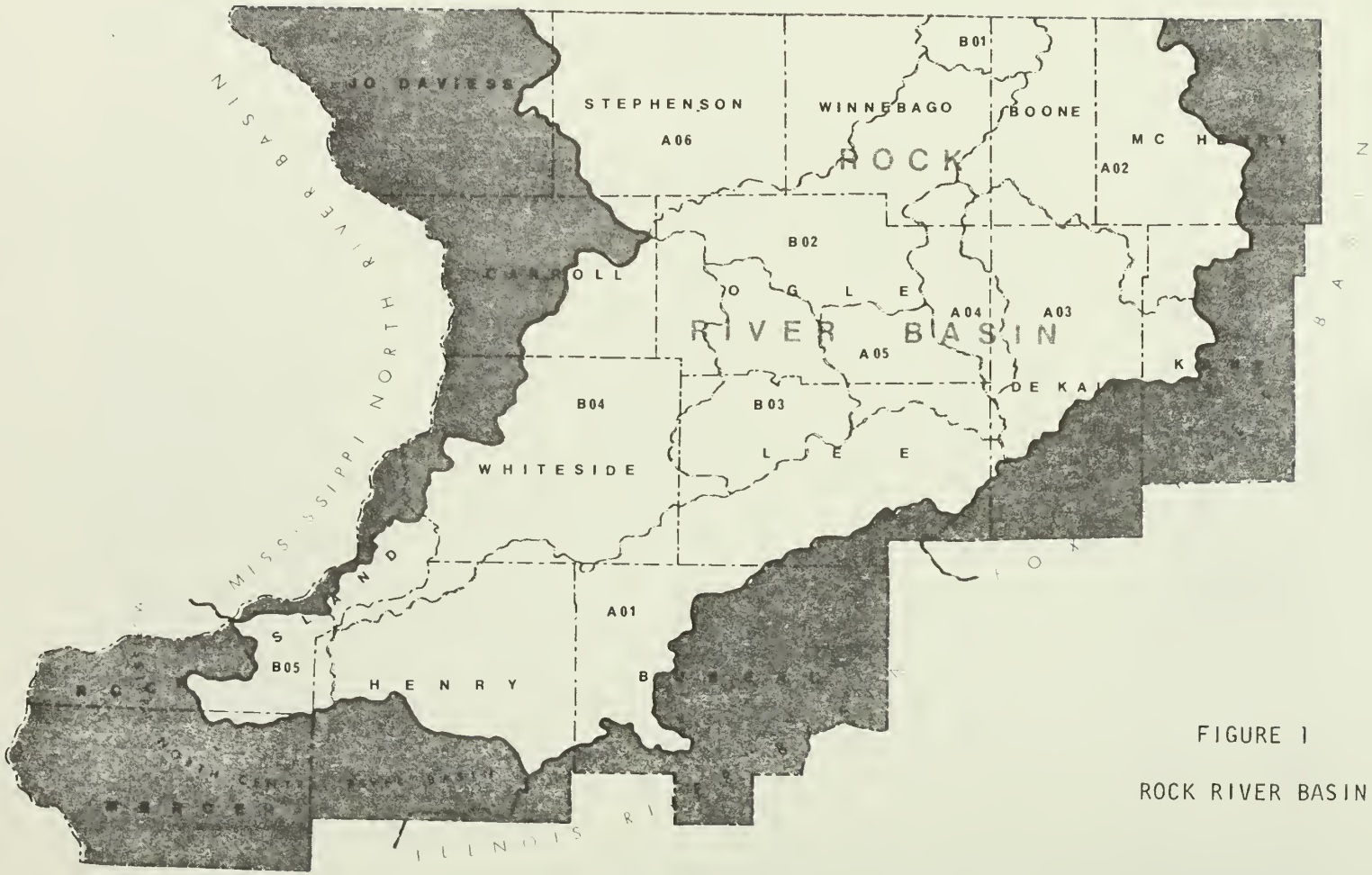

FIGURE 1

ROCK RIVER BASIN

All segment analyses are based on water quality measured at the water quality sampling stations of the Illinois monitoring network. Those located in the specific segment are considered representative of the segment water quality. Beyond the water quality sampling data, the prime measures of water quality are the various aquatic life surveys and other studies as reported in the analysis of the particular segments.

Content of Segment Analyses

Using the best available monitoring and surveillance data the following areas of water quality are described in each segment analysis:

1. Identification of the problem. Tables show violations of the water quality standards observed during 1975. A listing of water quality stations and the sample type codes is given in Appendix E. The complete record of all water quality samples collected is available on microfiche from IEPA.

2. Sources of Pollution. Specific information for known sources of pollution is given on discharge sheets for point source discharges, feedlots, public water supplies discharging to surface water, operating land disposal sites, underground disposal wells and permitted mines. The discharge information sheets and the explanation of items on these sheets are included in Appendix B. More detailed information concerning each source is available in the files of IEPA.

3. Effluent limitations. The point source effluent requirements, according to NPDES and the Illinois Pollution Control Board effluent regulations, and the schedules of compliance are specified on the discharge information sheets.

4. Water Quality Indices (WQI). As developed by Illinois Environmental Protection Agency staff for all water quality monitoring stations, this index shows the variation in water quality from 1971 to 1975. See Appendix C for additional information regarding the purpose and development of the WQI.

5. Aquatic Life Survey. Findings of the biological surveys performed by IEPA staff or by contractors are included in the segment analyses. The procedures used to conduct a survey are included in Appendix D.

6. Lakes. Findings of the eutrophication surveys performed by USEPA are included in the Aquatic Life Section of each applicable segment analysis. Additionally, sedimentation rates for various lakes in the segment are given in Chapter III of this plan.

7. Basin maps. The county maps, included in Appendix A, show basin and segment boundaries. Map Number 1 shows the location of municipal, industrial, and miscellaneous discharges, USGS gaging stations, and the IEPA water quality sampling stations. Map Number 2 shows the location of public water supply facilities, feedlots, landfills, disposal wells, and permitted mines.

8. Sources of pollution. All known point sources and possible nonpoint sources in each segment contributing to violations of the water quality standards are listed in the tables. Note that x refers to at least one sample resulting in an effluent concentration in excess of the discharge's ultimate effluent standard.

9. The water quality standard violations, that will remain after point source controls are operational, are listed by water quality sampling stations in the table at the end of each segment analysis.

10. Tables listed in the segment analysis are numbered consecutively in each segment.

The explanation of abbreviations used in the text are given below:

Ag----------silver
As----------arsenic
B----------boron
BOD----------biochemical oxygen demand
Ck----------creek
CN----------cyanide
Cu----------copper
Cd----------cadmium
Cr (hex)----------hexavalent chromium
DO----------dissolved oxygen
D.S.----------downstream
F----------fluoride
F.C.----------fecal coliform
Fe----------iron
ft----------feet
g----------gram
$g/m^2/yr$----------gram per meter square per year
Hg----------mercury
IEPA----------Illinois Environmental Protection Agency
Kg/Km^2----------Kilogram per kilometer square
Lgn----------lagoon
mg/l----------milligram per litre
ml----------millilitre
Mn----------manganese
μg----------microgram

N----------nitrogen
N.W.----------northwest
NH_3-N----------ammonia nitrogen
N.W & C R.R.----------Northwest and Central Railroad
P----------phosphorus
Pb----------lead
PCB----------polychlorinated biphenyls
ppm----------parts per million
Sec.----------section
St.----------street
STP----------sewage treatment plant
STW----------sewage treatment works
TDS----------total dissolved solids
TSS----------total supsended solids
Twp----------township
USEPA----------United States Environmental Protection Agency
U.S.----------upstream
WQI----------Water Quality Index
WQS----------Water Quality Standard
WQSS----------water quality sampling station
yds.----------yards
#----------number

The level of detail of the Phase II Water Quality Management Plan will be tailored to the water quality violations described in these segment analyses, varying from intensive planning in the designated complex problem areas to minimal planning where few water quality problems exist.

Rock River Basin

Segment A-01

This segment includes the Green River from its headwaters to its confluence with the Rock River of the Rock River Basin and extends over portions of Bureau, DeKalb, Henry, Lee, and Whiteside counties. There are six Illinois Environmental Protection Agency water quality sampling stations within this segment. Briefly, the Water Quality sampling stations are located:

PB-02 on Green River near Deer Grove, Illinois
PZXA-01 on the Illinois & Mississippi Canal Feeder near Yorktown, Illinois
PB-03 on Green River near Atkinson, Illinois
PZX-01 on the Illinois & Mississippi Canal near Atkinson, Illinois
PBI-01 on Spring Creek near Atkinson, Illinois
PB-01 on Green River near Green Rock, Illinois

All the water quality sampling stations have been given a sample type code (See Appendix E) of 1.

The exact location of each Water quality sampling Station is given on Tables 1 through 6.

There is one United States Geological Survey (USGS) stream gaging station in the segment. This is located as follows:

Number 05447500 on the Green River near Geneseo, Illinois

There are fourteen point source discharges within this segment. Of these fourteen discharges, four are identified as industrial, seven are identified as municipal, and the remaining three are identified as miscellaneous.

There are four water treatment facilities within this segment. They are as follows:

Amboy, Manlius, Sheffield, and Walnut.

There is one permitted feedlot in the segment called Brauer, Irving hog feedlot.

There are five landfills, Brachle at Amboy, G.R.O.P. at Dixon, Henry County at Atkinson, Municipal at Cambridge, and Municipal at Kewanee, in the segment.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the 6 IEPA water quality sampling stations (WQSS) is presented in Tables 1-6. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorus, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids, and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with "Summary and Discussion of 1975 Water Quality Problems and Violations".

Summary of 1975 Sampling Data

TABLE: 1
Station: PB-02 Rt 88 Br 1 Mi S of Deer Grove

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	7000	13.2	50	.290	3.9	.16	1.4	400	8.7
MINIMUM	100	7.9	50	.010	.1	.00	.3	360	8.2
MEAN	461	10.8	50	.113	1.9	.10	.7	387	8.4

TABLE: 2
Station: PZXA-01 Rt 92 Br 4 Mi E of Yorktown

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	1000	18.1	-	.390	3.0	.34	2.5	430	8.6
MINIMUM	100	7.2	-	.230	.7	.00	1.0	320	8.3
MEAN	138	10.7	-	.329	1.7	.16	1.7	358	8.4

TABLE: 3
Station: PB-03 Co Rd Br 4 Mi N of Atkinson

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	27,000	16.5	-	.520	4.5	.32	2.7	500	9.0
MINIMUM	100	7.7	-	.070	.0	.00	1.3	320	8.0
MEAN	452	11.1	-	.220	2.3	.11	1.9	405	8.5

TABLE: 4
Station: PZX-01 Co Rd Br 2 Mi N of Atkinson

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	100	16.4	-	.240	1.7	.20	.2	420	8.6
MINIMUM	100	8.3	-	.070	.0	.00	.2	280	8.2
MEAN	100	11.5	-	.168	.8	.08	.2	318	8.4

TABLE: 5
Station: PBI-01 US 6 Br 3.5 Mi W of Atkinson

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	53,000	11.4	-	.900	7.4	1.00	.9	390	8.4
MINIMUM	100	8.5	-	.150	3.0	.05	.9	300	7.6
MEAN	2,394	10.2	-	.424	4.9	.34	.9	350	8.1

TABLE: 6
Station: PB-01 Rt 84 Br .5 Mi S of Green Rock

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	6,400	12.4	-	1.800	4.9	.60	6.0	400	8.4
MINIMUM	100	6.8	-	.190	.1	.00	.6	200	7.7
MEAN	1,047	9.7	-	.544	1.9	.21	2.7	332	8.1

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 7. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 7 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
PB-02		A	A	A	A
PZXA-01		A	A	A	A
PB-03		A	A	A	A
PZX-01		A	A	A	A
PBI-01		A	A	A	B
PB-01		B	A	A	B

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling stations within this segment are presented in Tables 8-13. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 14-25.

PB-02:

The parameters in violation of water quality standards at water quality sampling station PB-02 (Green River) are fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 7000 organisms/100 ml., 0.65 mg/l, 1.40 mg/l, and 0.32 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 14.

The violations of water quality standards for copper, total iron, and lead are attributable primarily to agricultural runoff, landfills, and the sediments coming into the stream. Some total iron could result from public water supply wastes.

The contribution of fecal coliform from livestock operations and perhaps individual septic tanks in the area are a factor that must be considered utlimately to correct the water quality standard violations.

PZXA-01:

The parameters in violation of water quality standards at water quality sampling station PZXA-01 (Illinois & Mississippi Canal Feeder) are fecal coliform, copper, and total iron. The maximum recorded values for fecal coliform, copper, and total iron were 1000 organisms/100 ml., 0.14 mg/l, and 2.50 mg/l, respectively.

The point source discharge contributing to the violation of water quality standards is as listed in Table 16.

The violations of water quality standards for copper and total iron are attributable to non-point sources such as the sediments coming into the stream and flow entering from the Rock River.

There is no sewage treatment plant contributing to the violation of water quality standards for fecal coliform. It is attributable to agricultural runoff.

PB-03:

The parameters in violation of water quality standards at water quality sampling station PB-03 (Green River) are fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 27000 organisms/100 ml., 0.17 mg/l, 2.7 mg/l, and 0.24 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 18.

The violations of water quality standards for copper, total iron, and lead are attributable to runoff from abandoned coal mining areas.

The fecal coliform problem is primarily attributable to agricultural runoff.

Note that the maximum values for all the parameters were recorded on June 16, 1975. Since over three inches of rain fell on the two days preceding the 16th, it appears that major contributions to the violations of water quality standards at this location may be associated with rainfall events.

PZX-01:

The parameter in violation of water quality standards at this water quality sampling station PZX-01 (Illinois & Mississippi Canal) is copper. The maximum recorded value for copper was 0.07 mg/l.

The violations of water quality standards for copper are attributable to upstream water quality sampling stations and the sediments coming into the stream.

PBI-01:

The parameters in violation of water quality standards at water quality sampling station PBI-01 (Spring Creek) are fecal coliform and copper. The maximum recorded values for fecal coliform and copper were 53000 organisms/100 ml., and 0.09 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 22.

The violation of water quality standards for copper is attributable to the sediments coming into the stream from abandoned coal mining areas and agricultural lands.

It is likely that in addition to scattered livestock operations and individual septic tanks in the area, point source discharges (Table 22) are also contributing to the violations of water quality standards for fecal coliform.

PB-01:

The parameters in violation of water quality standards at water quality sampling station PB-01 (Green River) are fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 6400 organisms/ 100 ml., 0.18 mg/l, 6.0 mg/l, and 0.22 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 24.

The violations of water quality standards for copper, total iron, and lead are attributable to upstream water quality sampling stations and the sediments coming into the stream.

The contribution of fecal coliform from upstream water quality sampling stations, scattered livestock operations, individual septic tanks, and point sources is listed in Table 24.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

PB-02:	fecal coliform, copper, total iron, and lead
PZXA-01:	fecal coliform, copper, and total iron
PB-03:	fecal coliform, copper, total iron, and lead
PZX-01:	copper
PBI-01:	fecal coliform and copper
PB-01:	fecal coliform, copper, lead, and total iron

TABLE: 8 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PB-02 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	7000	12-2
	1000	7-1
	3200	5-27
Cu (0.02 mg/l)	0.06	11-19
	0.16	5-27
	0.65	2-5
Total Fe (1.0 mg/l)	1.40	5-27
Pb (0.1 mg/l)	0.32	2-5

TABLE: 9 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PZXA-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	1000	10-21
Cu (0.02 mg/l)	0.06	11-19
	0.14	5-13
Total Fe (1.0 mg/l)	2.50	5-13

TABLE: 10 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PB-03 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal coliform (200/100 ml)	27000	6-16
	300	5-12
	1200	4-21
	400	3-12
Cu (0.02 mg/l)	0.17	6-16
	0.14	5-12
	0.12	3-12
Total Fe (1.0 mg/l)	2.7	6-16
	1.3	5-12
	1.7	3-12
Pb (0.10 mg/l)	0.24	6-16

TABLE: 11 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PZX-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Cu 0.02 mg/l	0.07	8-6

TABLE: 12 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PBI-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	5300	8-6
	14000	6-16
	53000	5-12
Cu (0.02 mg/l)	0.09	4-21

TABLE: 13 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PB-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	6400	11-13
	[illegible]00	8-26
	2000	7-23
	3000	6-19
	300	5-8
	4000	1-30
Cu (0.02 mg/l)	0.09	11-13
	0.18	8-26
	0.15	5-8
	0.17	2-26
Pb (0.1 mg/l)	0.22	11-13
	0.16	8-26
Total Fe (1.0 mg/l)	1.2	8-26
	3.3	5-8
	6.0	2-26

TABLE: 14 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station:

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe	Pb				
Amboy STW	X							
Woodhaven Lakes STW Cl_2	X							
Dean Foods Co. Amboy								
Green River Ind Park STW Cl_2								
Walnut PWS			X					
Amboy PWS			X					

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 15
Water Quality Sampling Stations PB-02

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS								
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate		X	X	X				
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 16 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PZXA-01

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe					
Manlius PWS			X					

Table: 17
Water Quality Sampling Stations PZXA-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	total Fe					
Upstream WQSS	X	X	X					
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								

TABLE: 18 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PB-03

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe	Pb				
Annawan STW	ND	ND	ND	ND				
Phillips Service Inc STK	ND	ND	ND	ND				
Kewanee Boiler Corp-001	ND	ND	ND	ND				
Kewanee Boiler Corp-002	ND	ND	ND	ND				
Walnut STP Cl_2	X							

Table: 19
Water Quality Sampling Stations PB-03

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS	X	X	X	X				
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)		X	X	X				
Urban Stormwater Runoff	X	X	X	X				
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								

TABLE: 20 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PZX-01

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	Cu							
Sheffield PWS								

Table: 21
Water Quality Sampling Stations PZX-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	Cu							
Upstream WQSS	X							
Agricultural Runoff	X							
Silvicultural Runoff								
Mining (strip & sub-surface)	X							
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								

TABLE: 22 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PBI-01

Key: x contained in effluent X 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu						
Stuckeys Shop	XND	XND						
Cambridge STW	X							
Hillcrest STW West	X							

Table: 23
Water Quality Sampling Stations PBI-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu						
Upstream WQSS								
Agricultural Runoff	X	X						
Silvicultural Runoff								
Mining (strip & sub-surface)		X						
Urban Stormwater Runoff								
Solid Waste Leachate		X						
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 24 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PB-01

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	total Fe				
Orion STW	X							
Genesco STW Cl_2	X							
Brauer, Irving Feedlot	X							
Atkinson STW Cl_2	XND							

Table: 25
Water Quality Sampling Stations PB-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS	X	X	X	X				
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)		X	X	X				
Urban Stormwater Runoff	X	X	X	X				
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

Rock River Basin

Segment A-02

This segment includes the Kishwaukee River from its headwaters to its confluence with the South Branch of Kishwaukee River of the Rock River Basin and extends over portions of Boone, Kane, DeKalb, McHenry and Winnebago counties. There are six Illinois Environmental Protection Agency water quality sampling stations within this segment. Briefly, the water quality sampling stations are located:

PQ-10 on the Kishwaukee River near Garden Prairie, Illinois
PQF-06 on Coon Creek near Belvidere, Illinois
PQE-05 on Piscasaw Creek near Belvidere, Illinois
PQD-04 on Beaver Creek near Belvidere, Illinois
PQ-09 on the Kishwaukee River 4 miles west of Belvidere, Illinois
PQ-02 on the Kishwaukee River on Perryville Road near South Branch Junction.

The water quality sampling stations PQ-09 and PQ-02 have been given a sample type code (See Appendix E) of 1 and 4 whereas other water quality sampling stations have been given a sample type code of 1.

The exact location of each water quality sampling station is given on Tables 1 through 6.

There are two United States Geological Survey (USGS) stream gaging stations in the segment. They are located as follows:

Number 05438250 on Coon Creek at Riley, Illinois
Number 05438500 on the Kishwaukee River at Belvidere, Illinois

There are thirty-four point source discharges within this segment. Of these thirty-four discharges, fourteen are identified as industrial, nine are identified as municipal, and the remaining eleven are identified as miscellaneous.

There is one water treatment facility within this segment at Capron.

There is one permitted feedlot in the segment called Hartmann Farms. There are four landfills, Blazier at Harvard, Kahl at Huntley, and Bonus and Municipal #2 at Belvidere, in the segment.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the 6 IEPA water quality sampling stations (WQSS) is presented in Tables 1-6. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorus, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids, and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with "Summary and Discussion of 1975 Water Quality Problems and Violations".

Summary of 1975 Sampling Data

TABLE: 1
Station: PQ-10 Co Rd Br .5 Mi N of Garden Prairie

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	1000	11.2	-	.210	3.7	.19	.5	450	8.6
MINIMUM	100	6.8	-	.080	1.0	.00	.5	350	8.3
MEAN	349	9.6	-	.137	2.0	.06	.5	404	8.4

TABLE: 2
Station: PQF-06 US 20 Br 2.5 Mi E of Belvidere

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	5100	11.5	-	.500	5.4	.22	1.8	480	8.6
MINIMUM	100	6.7	-	.040	.6	.00	.2	370	8.3
MEAN	428	9.1	-	.174	2.9	.08	.8	423	8.4

TABLE: 3
Station: PQE-05 Co Rd Br 1.5 Mi N 2 Mi E Belvidere

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	1200	12.6	-	.290	4.4	.22	1.7	460	8.7
MINIMUM	100	7.3	-	.100	1.8	.00	.2	380	8.2
MEAN	330	10.0	-	.163	2.8	.07	.7	404	8.4

TABLE: 4
Station: PQD-04 E-W Co Rd Br 2 Mi N 3 Mi W Belvidere

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	15000	13.2	-	.460	4.2	.30	1.1	400	8.6
MINIMUM	100	6.6	-	.080	.4	.00	1.1	280	8.2
MEAN	778	9.6	-	.216	2.0	.09	1.1	340	8.3

TABLE: 5
Station: PQ-09 River Rd Br 4 Mi W of Belvidere

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	3000	12.4	-	.230	4.1	.27	.7	460	8.6
MINIMUM	100	6.8	-	.080	1.3	.00	.2	360	8.3
MEAN	286	9.5	-	.173	2.6	.07	.4	411	8.4

TABLE: 6
Station: PQ-02 Perryville Rd Br nr S Branch Jct

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	700	15.3	-	.290	7.9	.28	.5	450	8.7
MINIMUM	100	6.4	-	.100	.3	.00	.4	330	8.3
MEAN	170	11.4	-	.180	2.8	.08	.4	381	8.4

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 7. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 7 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
PQ-10		A	A	A	A
PQF-06	A	A	A	A	A
PQE-05	A	A	A	A	A
PQD-04	A	A	A	A	A
PQ-09		A	A	A	A
PQ-02		A	A	A	A

Summary and Discussion of Aquatic Life Survey Reports

On May 19, 1975, biological samples were collected at four stations on Lawrence Creek near Harvard, Illinois. The purpose of the survey was to determine stream conditions downstream from the Big Foot Packing discharge.

Station A-1: Lawrence Creek, approximately 75 yards upstream from the discharge from Big Foot Packing, was semi-polluted. Agricultural runoff was a possible cause of this degradation.

Station C-1: Lawrence Creek, approximately 25 yards downstream from the discharge from Big Foot Packing, was semi-polluted.

Station C-2: Lawrence Creek, approximately 0.6 mile downstream from the discharge from Big Foot Packing, was semi-polluted.

Station C-3: Lawrence Creek, approximately 4.0 miles downstream from the discharge from Big Foot Packing, was unbalanced.

At the time of the survey, no degradation of the stream could be attributed to the Big Foot Packing discharge.

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling stations within this segment are presented in Tables 8-13. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 14-25.

PQ-10:

The parameters in violation of water quality standards at water quality sampling station PQ-10 (main branch Kishwaukee River) were fecal coliform and copper, and their maximum recorded values were 1000 organisms/100 ml. and 0.04 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards at this location are as listed in Table 14.

Most of the dischargers have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that these discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from Hartmann Farm, scattered livestock operations, and individual septic tanks in the area is significant, but it is not known whether they are the major source of fecal coliform.

The violation of water quality standards for copper is attributable to point source discharges (Table 14), sediments coming into the stream, and other point and non-point sources.

PQF-06:

The parameters in violation of water quality standards at water quality sampling station PQF-06 (Coon Creek) were fecal coliform, copper, and total iron. The maximum recorded values for fecal coliform, copper, and total iron were 5100 organisms/100 ml., 0.09 mg/l, and 1.80 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 16.

The violations of water quality standards for copper and total iron are attributable to point source discharges (Table 16) and the sediments coming into the stream.

Hampshire and Illinois Tollway Building 6 have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

PQE-05:

The parameters in violation of water quality standards at water quality sampling station PQE-05 (Piscasaw Creek) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 1200 organisms/100 ml., 1.70 mg/l, and 0.12 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 18.

The violations of water quality standards for copper, total iron, and lead are attributable to landfills, the sediments coming into the stream, industrial discharges, and urban stormwater discharges.

Dean Foods Company-Chemung and Big Foot Packing Company at Harvard have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

PQD-04:

The parameters in violation of water quality standards at water quality sampling station PQD-04 (Beaver Creek) were fecal coliform, copper, and total iron. The maximum recorded values for fecal coliform, copper, and total iron were 15000 organisms/100 ml, 0.06 mg/l, and 1.10 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 20.

The violations of water quality standards for copper, total iron, and lead are attributable to overflows and bypasses at the Capron Sewage Treatment Works and sediments coming into the stream.

Poplar Grove Sewage Treatment Works and Capron Sewage Treatment Works have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from overflows and bypasses at Capron Sewage Treatment Works, scattered livestock operations, and individual septic tanks in the area is not known.

PQ-09:

The parameters in violation of water quality standards at water quality sampling station PQ-09 (main branch Kishwaukee River) were fecal coliform, copper, and lead. The maximum recorded values for fecal coliform, copper, and lead were 3000 organisms/100 ml., 0.09 mg/l, and 0.22 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 22.

The violations of water quality standards for copper and lead are attributable to upstream water quality sampling stations, the sediments coming into the stream, urban storm sewer discharges, and industrial discharges.

Belvidere Sewage Treatment Works has chlorination facilities, but its effluents contain high fecal coliform counts. This may indicate that this discharge is either overloaded or is poorly operated and maintained. The contribution of fecal coliform from upstream water quality sampling stations, scattered livestock operations, and individual septic tanks in the area is not known.

PQ-02:

The parameters in violation of water quality standards at water quality sampling station PQ-02 (main branch Kishwaukee River) were fecal coliform and copper. The maximum recorded values for fecal coliform and copper were 700 organisms/100 ml., and 0.19 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 24.

The violation of water quality standards for copper is attributable to upstream water quality sampling stations, the sediments coming into the stream, urban storm discharges, and industrial point sources.

Cherry Valley Sewage Treatment Works and Eden Fruit Company have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from upstream water quality sampling stations, scattered livestock operations, and individual septic tanks in the area is not known.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

PQ-10: fecal coliform and copper
PQF-06: fecal coliform, copper, and total iron
PQE-05: copper, lead, and total iron
PQD-04: copper and total iron
PQ-09: fecal coliform, copper, and lead
PQ-02: fecal coliform and copper

In addition to those parameters above, the following parameter violations probably will not be corrected by control of known point source discharges:

PQE-05: fecal coliform
PQD-04: fecal coliform

TABLE: 8 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQ-10 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform(100/100ml)	800	12-16
	300	10-28
	900	9-18
	1000	7-2
	900	6-4
Cu (0.02 mg/l)	0.04	8-18

TABLE: 9 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQF-06 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform(200/100 ml)	5100	12-16
	3100	9-18
	700	7-2
	2200	6-4
Cu (0.02 mg/l)	0.04	10-28
	0.09	7-2
	0.08	4-24
	0.07	1-21
Total Fe (1.0 mg/l)	1.80	7-2
	1.10	4-24

TABLE: 10 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQE-05 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	400	12-16
	300	10-28
	900	9-18
	300	8-18
	300	7-2
	1200	6-4
Cu (0.02 mg/l)	0.03	12-16
	0.06	9-18
	0.04	6-4
	0.06	3-24
Pb (0.10 mg/l)	0.12	12-16
Total Fe (1.0 mg/l)	1.70	3-24

TABLE: 11 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQD-04 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	1500	12-16
	500	10-28
	800	9-18
	900	8-18
	1300	7-2
	15000	6-24
	1000	3-24
Cu (0.02 mg/l)	0.06	8-18
Total Fe (1.0 mg/l)	1.10	8-18

TABLE: 12 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQ-09 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	3000	12-15
	500	9-18
	1000	7-2
	400	1-21
Cu (0.02 mg/l)	0.07	10-28
	0.09	7-2
	0.05	4-24
	0.06	1-21
Pb (0.10 mg/l)	0.19	7-2
	0.22	1-21

TABLE: 13 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQ-02 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	600	10-15
	700	1-21
Cu (0.02 mg/l)	0.19	6-3
	0.09	3-11

TABLE: 14 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PQ-10

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu						
Plum Tree Nat'l Golf Club								
Aubrey Mfg Co Cl_2	X	X						
Dean Foods Co Huntley Cl_2	X							
Huntley STW Cl_2	X	X						
Marengo STW Cl_2	X	X						
Morton-Norwick Prod STSF	X							
Turnberry Util Inc. Cl_2	X							
Union Special Co Huntley	X	X						
Woodstock South Cl_2	X	X						

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 15
Water Quality Sampling Stations PQ-10

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu						
Upstream WQSS								
Agricultural Runoff	X	X						
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	X	X						
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 16 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: POF-06

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe					
Hampshire Cl_2	X	X						
County Delight								
Ill Tollway Bldg 6 CL_2	X	X	X					
Riley Comm Sch D-18 STSF								
Mid-West Tibon Plating	X	X	X					

Table: 17
Water Quality Sampling Stations POF-06

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	total Fe					
Upstream WQSS								
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								

TABLE: 18 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PQE-05

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	total Fe				
Dean Foods Co Chemung CL_2	X							
Chromalloy Starline CL_2								
Harvard STW CL_2	X	X		X				
Big Foot Pkng Co Harvard CL_2	X							

Table: 19
Water Quality Sampling Stations PQE-05

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS								
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate		X	X	X				
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 20 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PQD-04

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe					
Poplar Grove STW CL_2	X							
Capron STW CL_2	X							
Candlewick Lake Utility CL_2								
Dean Food Co Capron								
Capron (PWS)			X					

Table: 21
Water Quality Sampling Stations PQD-04

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	total Fe					
Upstream WQSS								
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	X	X	X					
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							
Overflow & Bypass	X	X						

TABLE: 22 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PQ-09

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb					
Belvidere STW CL_2	X	X	X					
Chrysler Corp STW	X		X					
Bel-Rock Development	X							
Green Giant Belv CWD 001								
Dean Foods CWD Belvidere	X							
Belvidere Mobile Hm Pk CL_2								
Green Giant Belv CWD-002								
Green Giant Belv CWD-003								
Ill Toll Hwy Belvidere								

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 23
Water Quality Sampling Stations PQ-09

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb					
Upstream WQSS	X	X	X					
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	X	X	X					
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 24 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PQ-02

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu						
Sunstrand Corp	X							
Ipsen Ind & Alco Std. Co								
Cherry Valley STW CL_2	X							
Iron Oaks Subdivision								
Interstate Inn Rockford CL_2	X							
Eden Fruit Co CL_2	X							

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 25
Water Quality Sampling Stations PQ-02

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu						
Upstream WQSS	X	X						
Agricultural Runoff	X	X						
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	X	X						
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

Rock River Basin

Segment A-03

This segment includes the South Branch of the Kishwaukee River from its headwaters to its confluence with the Main Branch of the Kishwaukee River of the Rock River Basin and extends over portions of Boone, DeKalb, Kane, and Winnebago counties. There are four Illinois Environmental Protection Agency water quality sampling stations within this segment. Briefly, the water quality sampling stations are located:

- PQC-02 on the South branch of the Kishwaukee River near Sycamore, Illinois
- PQC-05 on the South branch of the Kishwaukee River near Sycamore, Illinois
- PQC-04 on the South branch of the Kishwaukee River near Kirkland, Illinois
- PQC-03 on the South branch of the Kishwaukee River near junction with the main branch of the Kishwaukee River

The water quality sampling stations PQC-02 and PQC-05 have been assigned a sample type code (See Appendix E) of 1 and 4 whereas the other two water quality sampling stations have been given a sample type code of 1.

The exact location of each water quality sampling station is given on Tables 1 through 4.

There is one United States Geological Survey (USGS) stream gaging station in the segment. It is Number 05439500 on the South branch of the Kishwaukee River near Fairdale, Illinois.

There are twenty point source discharges within this segment. Of these twenty discharges, five are identified as industrial, six are identified as municipal, and the remaining nine are identified as miscellaneous.

There is no water treatment facility within this segment

There is one permitted feedlot in the segment called Brennan Cattle Company. There are two landfills, Engstrom at Cortland and Pagels at New Milford, in the segment.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the 4 IEPA water quality sampling stations (WQSS) is presented in Tables 1-4. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorus, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids, and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with "Summary and Discussion of 1975 Water Quality Problems and Violations".

Summary of 1975 Sampling Data

TABLE: 1
Station: PQC-02 Rt 64 Br 1.5 Mi W of Sycamore

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	2700	12.4	-	5.600	10.0	2.70	3.1	710	8.4
MINIMUM	100	2.3	-	.400	5.0	.00	.5	270	7.6
MEAN	731	8.2	-	2.256	8.7	.69	1.8	517	8.2

TABLE: 2
Station: PQC-05 Twp Rd Br 2 Mi WNW 2 Mi N Sycamore

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	12000	11.7	-	2.900	9.9	.78	3.8	730	8.4
MINIMUM	300	5.1	-	.500	2.0	.06	.6	250	7.8
MEAN	1344	8.8	-	1.235	6.0	.40	2.2	480	8.2

TABLE: 3
Station: PQC-04 Co Rd Br at N Edge of Kirkland

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	4100	13.5	-	1.200	8.3	.48	.6	610	8.6
MINIMUM	100	7.1	-	.260	1.0	.00	.2	240	7.9
MEAN	351	9.3	-	.622	4.7	.17	.4	447	8.3

TABLE: 4
Station: PQC-03 Perryville Rd Br nr Jct w/Kishwaukee

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	600	19.4	-	.700	8.0	.66	.3	520	8.6
MINIMUM	100	6.4	-	.100	.0	.00	.3	300	8.4
MEAN	129	11.5	-	.334	3.5	.17	.3	418	8.4

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 5. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 5 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
PQC-02		B	A	B	C
PQC-05		B	A	B	B
PQC-04		A	A	B	A
PQC-03	A	A	A	A	A

Discussion and Summary of Aquatic Life Survey Report

A biological investigation of the South branch of the Kishwaukee River was conducted in April through July of 1974. Macroinvertebrate samples were collected at 38 stations to assess stream quality conditions in the basin.

Two of the stations sampled indicated severe degradation. Polluted conditions were found downstream from the DeKalb Sanitary District Sewage Treatment Plant and the Country Club Estates Sewage Treatment Plant discharges and downstream from the Sycamore Southwest Sewage Treatment Plant discharge.

Substantial stream degradation was found at 12 sampling stations. Agricultural runoff accounted for degradation at 5 stations, sewage treatment plants at 3, school discharges at 2, urban discharges at 1, and a cattle feedlot at 1. Degraded conditions were found downstream from the DeKalb Sanitary District and Country Club Estates discharges, Sycamore Main Sewage Treatment Plant, Genoa East Sewage Treatment Plant, Notre Dame High School near DeKalb, and Burlington High School near Virgil. Urban discharges in DeKalb and a cattle feedlot in Kirkland were also responsible for local stream degradation.

Unbalanced conditions were found at 16 stations indicating the stream conditions throughout the majority of the watershed. Agricultural nutrient enrichment and sediment from non-point sources are probably the cause.

Stream quality improvements downstream from known discharges can be anticipated if wastewater treatment facilities are upgraded.

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling stations within this segment are presented in Tables 6-9. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 10-17.

PQC-02:

The parameters in violation of water quality standards at water quality sampling station PQC-02 (south branch Kishwaukee River) were fecal coliform, copper, total iron, ammonia nitrogen, lead, and dissolved oxygen. The maximum recorded values for fecal coliform, copper, total iron, ammonia nitrogen, and lead were 2700 organisms/100 ml., 0.07 mg/l, 3.10 mg/l, 2.70 mg/l, and 0.17 mg/l, respectively. The minimum recorded value for dissolved oxygen was 2.3 mg/l.

The point source discharges contributing to the violations of water quality standards are as listed in Table 10.

The violation of water quality standards for copper, total iron, and lead are attributable to the sediments coming into the stream, urban stormwater discharges, and industrial point sources.

The violation of water quality standards for ammonia nitrogen is attributable to point source discharges (Table 10).

The low dissolved oxygen value is a result of high biochemical oxygen demand and ammonia nitrogen discharged by the point sources (Table 10). The problem of dissolved oxygen at this location could be reduced if not eliminated by strict enforcement of permit conditions for biochemical oxygen demand and ammonia nitrogen and by new or expanded treatment works capable of an additional degree of treatment.

Most of the discharges have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that these discharges are either overloaded or are poorly operated and maintained and that many combined sewer overflows exist.

The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

PQC-05:

The parameters in violation of water quality standards at water quality sampling station PQC-05 (south branch Kishwaukee River) are fecal coliform, copper, and total iron. The maximum recorded values for fecal coliform, copper, and total iron were 12000 organisms/100 ml., 0.11 mg/l, and 3.80 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 12.

The violations of water quality standards for copper and total iron are attributable to upstream water quality sampling stations, the sediments coming into the stream, urban storm sewer discharges, and industrial discharges.

The contribution of fecal coliform from upstream water quality sampling stations, scattered livestock operations, individual septic tanks in the area, and combined sewer overflows is not completely identifiable.

PQC-04:

The parameters in violation of water quality standards at water quality sampling station PQC-04 (south branch Kishwaukee River) are fecal coliform, copper, and lead. The maximum recorded values for fecal coliform, copper, and lead were 4100 organisms/100 ml., 0.65 mg/l, and 0.18 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 14.

The violations of water quality standards for copper and lead are attributable to upstream water quality sampling stations and the sediments coming into the stream.

Wallcamp Division Lutheran School has chlorination facilities, but its effluents contain high fecal coliform counts. This may indicate that this discharge is either overloaded or is poorly operated and maintained. The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

PQC-03:

The parameters in violation of water quality standards at water quality sampling station PQC-03 (south branch Kishwaukee River) are fecal coliform, copper, and lead. The maximum recorded values for fecal coliform, copper, and lead were 600 organisms/100 ml., 0.37 mg/l, and 0.53 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 16.

The violations of water quality standards for copper and lead are attributable to upstream water quality sampling stations and the sediments coming into the stream.

Kirkland Sewage Treatment Works has chlorination facilities, but its effluent contains high fecal coliform counts. This may indicate that this discharge is either overloaded or is poorly operated and maintained.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

PQC-02: copper, total iron, and lead
PQC-05: fecal coliform, copper, and total iron
PQC-04: fecal coliform, copper, and lead
PQC-03: copper and lead

In addition to those parameters above, the following parameter violations probably will not be corrected by control of known point source discharges:

PQC-02: fecal coliform
PQC-03: fecal coliform

TABLE: 6 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQC-02 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100ml)	1400	12-30
	800	11-06
	500	9-25
	1500	8-21
	2700	4-28
	1800	1-28
DO (5.0 mg/l)	2.3@56°F	11-6
Cu (0.02 mg/l)	0.07	4-28
	0.04	1-28
Total Fe (1.0 mg/l)	3.10	4-28
Amm N (1.5 mg/l)	2.70	1-28
Pb (0.1 mg/l)	0.17	1-28

TABLE: 7 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQC-05 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	700	12-30
	400	11-6
	300	9-25
	1900	8-21
	500	6-10
	3500	4-28
	12000	3-26
	3200	1-28
Cu (0.02 mg/l)	0.11	4-28
	0.[illegible]4	1-28
Total Fe (1.0 mg/l)	3.80	4-28

TABLE: 8 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQC-04 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	300	9-25
	400	8-19
	600	7-17
	4100	4-28
	700	1-28
Cu (0.02 mg/l)	0.09	12-29
	0.06	9-25
	0.17	6-10
	0.65	3-26
Pb (0.10 mg/l)	0.18	12-29

TABLE: 9 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQC-03 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	600	7-29
Cu (0.02 mg/l)	0.37	11-25
Pb (0.10 mg/l)	0.53	11-25

TABLE: 10 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: POC-02

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	DO	Cu	total Fe	NH_3-N	Pb	BOD_5	
DeKalb SD-Main Cl_2	X	X	X	X	X	X		
Notre Dame HS-DeKalb Cl_2	X	X			X			
DeKalb SD Country Club Cl_2	X	X			X			
Sycamore SW Amcodyne 002 Cl_2	X	X			X			
DeKalb-Northland Shop Ctr. Cl_2	X	X			X			
Delmonte DeKalb process	X	X						
DeKalb SD-South Slope Cl_2	X	X		X	X			
Sycamore SW Suburbia 001 Cl_2	X	X			X			
General Electric DeKalb-CWD								
Delmonte DeKalb CWD								
Larsen-AC								

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 11
Water Quality Sampling Stations PQC-02

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	DO	Cu	total Fe	NH_3-N	Pb		
Upstream WQSS								
Agricultural Runoff	X	X	X	X	X	X		
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	X	X	X	X	X	X		
Solid Waste Leachate			X	X		X		
Construction Site Runoff								
Septic Tank Leachate								

TABLE: 12 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PQC-05

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe					
Engstrom-Cortland Landfill								
Larsen Elmer Inc. 002	X							
Country Garden Subd. STK								
Evergreen MHP Cl_2								
Sycamore 003 North Cross Cl_2								
Burlington Central HS Cl_2	X							
Anaconda Co Sycamore								

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 13
Water Quality Sampling Stations PQC-05

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	total Fe					
Upstream WQSS	X	X	X					
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	x	x	x					
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								

TABLE: 14 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PQC-04

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb					
Walcamp Div Lutheran School Cl_2	X							
Brennan Cattle Co								
Genoa STW West	X	X	X					
Ellwood Greens Development Cl_2								
Genoa North	X							

Table: 15
Water Quality Sampling Stations PQC-04

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb					
Upstream WQSS	X	X	X					
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								
Feedlot	X	X						

TABLE: 16 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PQC-03

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb					
Kirkland STW	X							
Kirkland Scout Resvt W	X							
Kirkland Scout Rsvt E	X							
Brennan Cattle Co	X							

Table: 17
Water Quality Sampling Stations PQC-03

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb					
Upstream WQSS	X	X	X					
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate		X	X					
Construction Site Runoff								
Septic Tank Leachate								

Rock River Basin

Segment A-04

This segment includes the main branch of the Kishwaukee River from the confluence of the main branch and the south branch to the confluence with the Rock River of the Rock River Basin and extends over portions of DeKalb, Ogle, and Winnebago counties. There are two Illinois Environmental Protection Agency water quality sampling stations within this segment. Briefly, the water quality sampling stations are located:

PQ-01 on the Kishwaukee River near New Milford, Illinois
PQB-02 on Kilbuck Creek South of Rockford, Illinois

Both water quality sampling stations have been given a sample type code (see Appendix E) of 1.

The exact location of each water quality sampling station is given in Tables 1 and 2.

There is one United States Geological Survey (USGS) stream gaging station in the segment. The station, Number 05440000, is located on the Kishwaukee River near Perryville, Illinois.

There are four point source discharges within this segment. Of these four discharges, one is identified as municipal, and the remaining three are identified as miscellaneous.

There is no water treatment facility within this segment.

There is no permitted feedlot in the segment. There is one landfill, Plietgen at Davis Junction, in the segment.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the 2 IEPA water quality sampling stations (WQSS) is presented in Tables 1 and 2. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorus, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids, and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with "Summary and Discussion of 1975 Water Quality Problems and Violations".

Summary of 1975 Sampling Data

TABLE: 1
Station: PQ-01 US 51 Br at New Milford

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	1100	15.6	-	.340	5.5	.44	.2	450	8.6
MINIMUM	100	8.4	-	.090	.8	.00	.2	330	8.3
MEAN	167	11.4	-	.216	3.0	.12	.2	395	8.4

TABLE: 2
Station: PQB-02 US 51 Br 4 Mi S of Rockford

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	4300	13.3	-	.270	8.6	.72	.5	420	8.5
MINIMUM	100	8.2	-	.000	1.6	.00	.3	330	8.3
MEAN	243	11.6	-	.079	5.0	.12	.4	368	8.4

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 3. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 3 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
PQ-01	A	A	A	B	A
PQB-02	A	A	A	A	A

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling stations within this segment are presented in Tables 4 and 5. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 6-9.

PQ-01:

The parameters in violation of water quality standards at water quality sampling station PQ-01 (Kishwaukee River) were fecal coliform, copper, and lead, and their maximum recorded values were 1100 organisms/100 ml., 1.20 mg/l, and 0.32 mg/l, respectively.

The point source discharge contributing to the violations of water quality standards at this location is as listed in Table 6. Atwood Park Lodge, the only point source discharge contributing to water quality sampling station PQ-01, effluent was not analyzed during 1975.

It appears that the violations of water quality standards for copper and lead are attributable to nonpoint sources above upstream water quality sampling stations.

In the case of fecal coliform, the violations are attributed to scattered livestock operations, individual septic tanks in the area, and potentially Atwood Lodge.

PQB-02:

The parameters in violation of water quality standards at water quality sampling station PQB-02 (Kilbuck Creek) are fecal coliform, copper, and lead. The maximum recorded values for fecal coliform, copper, and lead were 4300 organisms/100 ml., 0.28 mg/l, and 0.18 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 8.

The violations of water quality standards for copper and lead are attributable to the sediments coming into the stream from agricultural land.

The violations of water quality standards for fecal coliform are attributable to scattered livestock operations, individual septic tanks in the area, and the point sources listed in Table 8.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

PQ-01: fecal coliform, copper, and lead
PQB-02: fecal coliform, copper, and lead

In addition to those parameters above, the following parameter violations probably will not be corrected by control of known point source discharges:

TABLE: 4 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQ-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100ml)	1100	1-27
Cu (0.02 mg/l)	1.20	11-25
Pb (0.10 mg/l)	0.32	11-25

TABLE: 5 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PQB-02 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100ml)	4300	11-25
	1200	1-20
Cu (0.02 mg/l)	0.28	6-3
	0.05	3-11
Pb (0.10 mg/l)	0.12	6-3

TABLE: 6 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PQ-01

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb					
Atwood Park Lodge-STK								

Table: 7
Water Quality Sampling Stations PQ-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb					
Upstream WQSS	x	x	x					
Agricultural Runoff	x	x	x					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	x							

TABLE: 8 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PQB-02

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb					
Monroe Center STW	X							
Rolling Meadows MHP Cl_2								
Kishaukee Jr. College Cl_2	X							

Table: 9
Water Quality Sampling Stations PQB-02

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb					
Upstream WQSS								
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

Rock River Basin

Segment A-05

This segment includes the Kyte River from its headwaters to its confluence with the Rock River of the Rock River Basin and extends over portions of DeKalb, Lee and Ogle counties. There are two Illinois Environmental Protection Agency water quality sampling stations within this segment. Briefly, the water quality sampling stations are located:

PL-02 on the Kyte River near Rochelle, Illinois
PL-01 on the Kyte River near Daysville, Illinois

Both water quality sampling stations have been given a sample type code (See Appendix E) of 1 and 4.

The exact location of each water quality sampling station is given on Tables 1 and 2.

There is no United States Geological Survey (USGS) stream gaging station in the segment.

There are nine point source discharges within this segment. Of these nine discharges, five are identified as industrial, two are identified as municipal, and the remaining two are identified as miscellaneous.

There is no known water treatment facility within this segment.

There is one permitted feedlot in the segment called Nordman Feedlot, which consists of beef and dairy cattle and hogs.

There is one landfill, Municipal #2 at Rochelle, Illinois, in the segment.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the 2 IEPA water quality sampling stations (WQSS) is presented in Tables 1 and 2. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorus, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids, and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with "Summary and Discussion of 1975 Water Quality Problems and Violations".

Summary of 1975 Sampling Data

TABLE: 1
Station: PL-02 Rt 38 Br 3 Mi W of Rochelle

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	16000	12.5	-	3.600	8.2	6.40	.6	800	8.5
MINIMUM	100	3.0	-	.400	1.2	.76	.3	420	8.1
MEAN	700	8.2	-	2.067	4.7	3.09	.4	578	8.3

TABLE: 2
Station: PL-01 Co Rd Br .3 Mi N of Daysville

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	2000	12.3	-	1.500	7.4	1.40	1.0	700	8.7
MINIMUM	100	7.1	-	.250	1.9	.00	.2	400	8.3
MEAN	549	9.3	-	.761	4.3	.28	.4	510	8.4

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 3. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 3 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
PL-02		C	B	B	C
PL-01		B	A	A	A

Summary and Discussion of Aquatic Life Survey Reports

On July 11, 1973, a biological sample was collected from the Kyte River approximately two miles upstream from its confluence with the Rock River. The purpose was to determine the condition of the aquatic environment upstream from the confluence and downstream from known sources of pollution. The river in the area sampled was in a balanced condition.

On August 6, 1975, biological samples were collected at five stations in an unnamed tributary of the Kyte River near Chana, Illinois. The purpose of the survey was to determine the condition of stream environments downstream from the Chana tile discharge.

Station A-01: An unnamed tributary of the Kyte River, approximately 100 yards upstream from the confluence of the Chana tile discharge ditch, was unbalanced. Run-off from the adjacent pastures and corn fields and the intermittent flows may account for the conditions observed at this station.

Station C-1: The Chana tile discharge ditch, approximately 10 yards upstream from its confluence with the unnamed tributary of the Kyte River, was semi-polluted.

Station C-2: An unnamed tributary of the Kyte River, approximately 150 yards downstream from the confluence of the Chana tile discharge ditch, was unbalanced.

Station C-3: An unnamed tributary of the Kyte River, approximately 500 yards downstream from the confluence of the Chana tile discharge ditch and 10 feet downstream from an unnamed north-south road, was unbalanced.

Station C-4: An unnamed tributary of the Kyte River, approximately 1 mile downstream from the confluence of the Chana tile discharge ditch and 20 yards upstream from its confluence with the Kyte River, was unbalanced.

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling station within this segment are presented in Tables 4 and 5. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 6-9.

PL-02:

The parameters in violation of water quality standards at water quality sampling station PL-02 (Kyte River) are fecal coliform, copper, ammonia nitrogen, and dissolved oxygen. The maximum recorded values for fecal coliform, copper, and ammonia nitrogen were 16000 organisms/100 ml., 0.57 mg/l, and 6.40 mg/l, respectively. The minimum recorded value for dissolved oxygen was 3.0 mg/l.

The point source discharges contributing to the violations of water quality standards are as listed in Table 6.

The violations of water quality standards for copper are attributable to overflows from sewer systems, the sediments coming into the stream, urban storm sewer systems, and discharges from industrial point sources.

Rochelle Sewage Treatment Works has chlorination facilities, but its effluents contain high fecal coliform counts. This may indicate that this discharge is either overloaded or is poorly operated and maintained. The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

The violations of water quality standards for ammonia nitrogen at this location are attributable primarily to point source discharges (Table 6). By strictly requiring these point source discharges to treat their effluents to 1.5 mg/l ammonia nitrogen before discharging into the stream, the ammonia nitrogen violations at this location could be eliminated.

Low dissolved oxygen values are the direct result of high ammonia nitrogen and biochemical oxygen demand being discharged into the stream (Table 6). If these point sources discharge 1.5 mg/l ammonia nitrogen and permitted concentrations of biochemical oxygen demand, the dissolved oxygen problem at this location could be eliminated.

PL-01:

The parameters in violation of water quality standards at water quality sampling station PL-01 (Kyte River) are fecal coliform, copper, and lead. The maximum recorded values for fecal coliform, copper, and lead were 2000 organisms/100 ml., 0.28 mg/l, and 0.17 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 8.

The violations of water quality standards for copper and lead are attributable to upstream water quality sampling stations and the sediments coming into the stream.

Shangrila Mobile Home and E. D. Etnyre Company have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

PL-02: copper
PL-01: fecal coliform, copper, and lead

In addition to those parameters above, the following parameter violations probably will not be corrected by control of known point source discharges:

PL-02: fecal coliform, ammonia nitrogen, and dissolved oxygen

TABLE: 4 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PL-02 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	500	11-4
	700	9-29
	1600	8-28
	600	7-16
	16000	6-12
	1900	5-5
	400	4-1
DO (5.0 mg/l)	3.4 @ 56° F	11-4
	3.0 @ 70° F	8-28
Amm N (1.5 mg/l)	2.80	11-4
	6.40	9-29
	6.20	8-28
	1.80	7-16
	1.70	6-12
	3.50	2-4
	3.80	1-7
Cu (0.02 mg/l)	0.12	9-29
	0.07	6-12
	0.57	4-1

TABLE: 5 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PL-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	1000	11-4
	1000	9-29
	400	8-28
	400	7-16
	1300	6-12
	2000	5-5
Cu (0.02 mg/l)	0.18	11-4
	0.28	8-28
	0.07	5-5
	0.13	2-4
Pb (0.10 mg/l)	0.17	11-4
	0.14	8-28
	0.12	2-4

TABLE: 6 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PL-02

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Amm	Cu	DO	BOD_5	NH_3-N		
Ashton	X	X	X					
Rochelle STW Cl_2	X	X	X					
Del Monte Corp Rochelle-Process	X	X						
Eaton Corp-Rochelle CWD								
Stokely-Rochelle	X	X						
American Oil Co Rochelle	X	X						
Del Monte-Rochelle 109-CWD	X	X						
Del Monte-Rochelle 110-CWD								
Rolling Greens Est. SSD								

TABLE: 8 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PL-01

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb					
Shangri-la Mobile Home Cl_2	X							
E.D. Etnyre Co. Cl_2	X							

Table: 9
Water Quality Sampling Stations PL-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb					
Upstream WQSS	X	X						
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								
Feedlot	X							

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 7
Water Quality Sampling Stations PL-02

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	NH_3-N	DO				
Upstream WQSS								
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	X	X	X	X				
Solid Waste Leachate		X						
Construction Site Runoff								
Septic Tank Leachate								

Rock River Basin

Segment A-06

This segment includes all of the Pecatonica River Watershed in Illinois of the Rock River Basin and extends over portions of Carroll, Jo Daviess, Stephenson, Winnebago, and Ogle counties. There are eight Illinois Environmental Protection Agency water quality sampling stations within this segment. Briefly, the water quality sampling stations are located:

PW-07 on the Pecatonica River near Winslow, Illinois
PWP-01 on Richland Creek near Scioto Mills, Illinois
PW-04 on the Pecatonica River near Freeport, Illinois
PWN-01 on Yellow Creek near Freeport, Illinois
PW-06 on the Pecatonica River near Ridott, Illinois
PW-05 on the Pecatonica River near Rockford, Illinois
PWB-02 on Sugar River near Shirland, Illinois
PW-01 on the Pecatonica River near Harrison, Illinois

Three water quality sampling stations, PW-07, PW-05, and PWB-02, have been given a sample type code (See Appendix E) of 1 and 4 whereas the remaining water quality sampling stations have been given a sample type code of 1.

The exact location of each water quality sampling station is given on Tables 1 through 8.

There is one United States Geological Survey (USGS) stream gaging station in the segment. It is located as follows:

Number 05435500 on the Pecatonica River at Freeport, Illinois.

There are thirty-three point source discharges within this segment. Of these thirty-three discharges, sixteen are identified as industrial, twelve are identified as municipal, and the remaining five are identified as miscellaneous.

There is no water treatment facility within this segment.

There is one permitted feedlot in the segment called the Watts Beef Cattle feedlot. There are six landfills, Martin at Pecatonica, Municipal at Winslow, Cheesman at Freeport, Boeke at Freeport, Municipal #2 at Freeport, and Municipal at Stockton, in the segment.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the 8 IEPA water quality sampling stations (WQSS) is presented in Tables 1-8. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorus, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids, and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with "Summary and Discussion of 1975 Water Quality Problems and Violations".

Summary of 1975 Sampling Data

TABLE: 1
Station: PW-07 Co Rd Br .5 Mi E of Winslow

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	5000	12.8	-	.550	2.9	.51	1.9	360	8.7
MINIMUM	100	6.1	-	.080	1.7	.00	.3	320	8.4
MEAN	716	9.4	-	.237	2.5	.14	1.0	335	8.4

TABLE: 2
Station: PWP-01 Co Rd Br at Scioto Mills

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	3400	12.6	-	.500	5.9	.34	1.9	400	8.5
MINIMUM	100	6.4	-	.090	3.5	.00	.8	370	8.3
MEAN	506	9.3	-	.252	4.2	.13	1.5	386	8.3

TABLE: 3
Station: PW-04 Rt 26 Br at Freeport

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	8000	13.0	-	1.200	3.8	.27	3.4	370	8.5
MINIMUM	100	6.0	-	.100	2.1	.00	.3	320	8.0
MEAN	324	9.5	-	.320	2.6	.11	1.2	348	8.3

TABLE: 4
Station: PWN-01 US 20 Br at SE Edge of Freeport

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	5000	12.9	-	1.100	4.8	.52	1.5	390	8.7
MINIMUM	100	6.0	-	.200	.6	.09	.5	280	8.3
MEAN	866	9.8	-	.441	3.0	.21	1.0	353	8.3

TABLE: 5
Station: PW-06 Co Rd Br 1 Mi N of Ridott

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	5000	12.8	-	.530	3.2	.82	4.2	370	8.5
MINIMUM	100	5.7	-	.160	2.1	.05	1.5	320	8.2
MEAN	648	8.8	-	.324	2.6	.24	2.8	347	8.4

TABLE: 6
Station: PW-05 Rt 70 Br 11 Mi NW of Rockford

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	8200	13.1	-	.500	3.5	.40	-	400	8.6
MINIMUM	100	7.1	-	.130	2.0	.00	-	340	8.2
MEAN	480	10.1	-	.269	2.7	.17	-	362	8.4

TABLE: 7
Station: PWB-02 Twp Rd Br 2 Mi W of Shirland

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	1800	13.2	-	.270	3.2	.19	1.1	320	8.6
MINIMUM	30	7.5	-	.090	1.7	.00	.8	310	8.3
MEAN	200	10.4	-	.181	2.4	.08	.9	315	8.4

TABLE: 8
Station: PW-01 Rt 75 Br at Harrison

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	5800	12.9	-	.500	3.4	.36	.7	380	8.5
MINIMUM	100	7.0	-	.140	2.2	.00	.7	340	8.4
MEAN	224	10.1	-	.276	2.7	.14	.7	355	8.4

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 9. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 9 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
PW-07		A	A	C	A
PWP-01		B	B	A	A
PW-04	A	B	A	C	A
PWN-01		A	A	C	A
PW-06		A	A	C	A
PW-05	A	A	A	B	A
PWB-02		A	A	B	A
PW-01	A	A	A	B	A

Aquatic Life Survey Reports

On August 6 and 7, 1969, the biological staff conducted a walk-in, hand-pick biological survey on the Pecatonica River and near the mouth of Richland Creek. At this time, they also installed artificial substrate (plate) samplers at each location except the one on Richland Creek. In addition, they installed a plate sampler on a boat dock in Pecatonica. At this station, they were unable to hand-pick a sample because of high water. On September 24 and 25, 1969, they retrieved the plate samplers.

The sampling points were established at the following locations on the Pecatonica: at Winslow at a county bridge east of the city; at Browns Mill downstream from Freeport; and in the town of Pecatonica. The station on Richland Creek was located about one mile west of Cedarville.

At each of these stations, results from both the hand-pick survey and the substrate samplers showed the stream to be in a balanced condition in regard to aquatic life. At least 95% of the organisms collected at each station belonged to the pollution intolerant category. Only four tolerant organisms were found (three midgefly larvae at the Richland Creek station and one midgefly larvae at Pecatonica). At the stations downstream from Freeport, there was a slight metallic odor on the plates.

This data shows that fairly high counts of bacteria are being discharged to the stream by most of these waste treatment plants. Average biochemical oxygen demands for both the La Forge Rendering Works and the Freeport Southeast Sewage Treatment Plant (Note: this treatment works has subsequently been abandoned) were in excess of 275 mg/1. Both the main Freeport Sewage Treatment Plant and Modern Plating were discharging average cyanide concentrations in excess of 2.5 mg/1, over one hundred times the limit allowable under SWB-11 (applicable water quality standard prior to Chapter 3).

In conclusion, the condition of the Pecatonica River from Winslow to the mouth is such that it is providing an adequate environment to support a balanced aquatic biota. It appears that there could be some agent (perhaps that causing the metallic odor and/or the cyanide) entering the river which is inhibiting the growth of large populations of organisms at some state in their life cycles. Generally, a balanced environment will support much more prolific numbers of organisms of more taxonomic groups than were found on this survey. Conspicuously absent at Browns Mill (downstream from Freeport's treated sewage effluent) were midgefly larvae which will usually be found in an environment containing organic enrichment. It appears that their development is being totally inhibited. Further investigation into these anomalies will be necessary to explain the low numbers of organisms found, and the complete absence of certain common forms.

On August 11, 1975, Hester-Dendy substrate samplers were placed at four stations in the Pecatonica River near Freeport, Illinois. Two substrate samplers, each of one square foot surface area, were placed at each station. The purpose of the survey was to determine stream conditions downstream from the Freeport Sewage Treatment Plant and the Modern Plating Company discharges. On September 12, 1975, the substrate samplers were retrieved from three stations. At the fourth station, located downstream from Rt. 26, vandals had removed the substrate samplers.

Station No. 1: The Pecatonica River, approximately 0.7 miles downstream from the Freeport Sewage Treatment Plant discharge and 0.8 mile upstream from the Modern Plating Company discharge, was balanced.

Station No. 2: The Pecatonica River, approximately 0.5 miles downstream from the Modern Plating Company discharge and 2.0 miles downstream from the Freeport Sewage Treatment Plant discharge, was balanced.

Station No. 3: The Pecatonica River, approximately 9.0 miles downstream from the Freeport Sewage Treatment Plant and 7.5 miles downstream from the Modern Plating Company discharge, was unbalanced.

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling stations within this segment are presented in Tables 10-17. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 18-32.

PW-07:

The parameters in violation of water quality standards at water quality sampling station PW-07 (Pecatonica River) were fecal coliform, copper, total iron, and lead, and their maximum recorded values were 5000 organisms/100 ml., 0.11 mg/l, 1.90 mg/l, and 0.23 mg/l, respectively.

The point source discharge contributing to the violations of water quality standards is as listed in Table 18. However, Winslow Sewage Treatment Works effluen - were not analyzed during 1975.

The violations of water quality standards at this location for all parameters (fecal coliform, total iron, copper, and lead) may be directly attributable to the point and non-point sources discharging into the Pecatonica River in the State of Wisconsin plus from the limited portion of the watershed in Illinois.

PWP-01:

The parameters in violation of water quality standards at water quality sampling station PWP-01 (Richland Creek) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 3400 organisms/100 ml., 0.18 mg/l, 1.90 mg/l, and 0.20 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 20.

The violations of water quality standards for copper, total iron, and lead are attributable to sediments coming into the stream.

Orangeville Sewage Treatment Works and Afolkey Cheese Co-op have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

PW-04:

The parameters in violation of water quality standards at water quality sampling station PW-04 (Pecatonica River) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 8000 organisms/100 ml., 0.11 mg/l, 3.40 mg/l, and 0.50 mg/l, respectively.

The minimum recorded value for dissolved oxygen was 2.3 mg/l.

The point source discharges contributing to the violations of water quality standards are as listed in Table 22.

The violations of water quality standards for copper, total iron, and lead are attributable to upstream water quality sampling stations and sediments coming into the stream.

Excelsior Cheese Company has chlorination facilities, but its effluent contains high fecal coliform counts. This may indicate that this discharge is either overloaded or is poorly operated and maintained. The contribution of fecal coliform from upstream water quality sampling stations, scattered livestock operations, and individual septic tanks in the area is believed to be significant.

PWN-01:

The parameters in violation of water quality standards at water quality sampling station PWN-01 (Yellow Creek) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 5000 organisms/100 ml., 0.36 mg/l, 1.50 mg/l, and 0.32 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 24.

The violations of water quality standards for copper, total iron, and lead are attributable to landfills, sediments coming into the stream, urban stormwater discharges, and industrial discharges.

Lena Sewage Treatment Works, Kent Cheese Company CWD-001, and Pearl City Lagoon have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that these discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from scattered livestock and individual septic tanks in the area is not known.

PW-06:

The parameters in violation of water quality standard at water quality sampling station PW-06 (Pecatonica River) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 5000 organisms/100 ml., 0.25 mg/l, 4.20 mg/l, and 0.20 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 26.

The violations of water quality standards for copper, total iron, and lead are attributable to landfills, upstream water quality sampling stations, sediments coming into the stream, urban storm runoff, and industrial discharges. Modern Plating Corporation discharges total iron, copper, and lead which contribute somewhat to the water quality standards violation.

Freeport Sewage Treatment Works and Dakota Sewage Treatment Works have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from upstream water quality sampling stations, scattered livestock operations, and individual septic tanks in the area is not known.

PW-05:

The parameter in violation of water quality standards at water quality sampling station PW-05 (Pecatonica River) was fecal coliform. The maximum recorded value for fecal coliform was 8200 organisms/100 ml.

The point source discharges contributing to the violations of water quality standards are as listed in Table 28.

Pecatonica Sewage Treatment Works and Winnebago Sewage Treatment Works have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from upstream water quality sampling stations, scattered livestock operations, and individual septic tanks in the area is not known.

PWB-02:

The parameters in violation of water quality standards at water quality sampling station PWB-02 (Sugar River) were fecal coliform, copper, and total iron. The maximum recorded values for fecal coliform, copper, and total iron were 1800 organisms/100 ml., 0.07 mg/l, and 1.10 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 30.

The violations of water quality standards for copper and total iron are attributable primarily to that coming from the urban and rural areas, the State of Wisconsin, and sediments coming into the stream from rural areas of the State of Illinois.

The fecal coliform violations are attributable to Durand S.D. and agricultural runoff. The extent of the fecal coliform contribution from the State of Wisconsin is not known.

PW-01:

The parameters in violation of water quality standards at water quality sampling station PW-01 (Pecatonica River) were fecal coliform and copper. The maximum recorded values for fecal coliform and copper were 5800 organisms/100 ml., and 0.05 mg/l, respectively.

There is no point source discharge directly contributing to the violations of water quality standards at this location.

The violations of water quality standards for fecal coliform and copper are attributable to Watts Beef Cattle Feedlot, upstream water quality sampling stations, and sediments coming into the stream.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

PW-07:	fecal coliform, copper, lead, and total iron
PWP-01:	fecal coliform, copper, lead, and total iron
PW-04:	fecal coliform, copper, lead, and total iron
PWN-01:	fecal coliform, copper, lead, and total iron
PW-06:	fecal coliform, copper, lead, and total iron
PW-05:	fecal coliform
PWB-01:	fecal coliform, copper, and total iron
PW-01:	fecal coliform and copper

In addition to those parameters above, the following parameter violations probably will not be corrected by control of known point source discharges:

TABLE: 10 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PW-07 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	3300	12-15
	400	9-16
	5000	6-25
	900	5-26
	1000	4-17
	2100	1-13
Cu (0.02 mg/l)	0.03	12-15
	0.07	9-16
	0.03	8-11
	0.11	6-25
	0.08	3-17
Pb (0.10 mg/l)	0.23	12-15
	0.12	6-25
Total Fe (1.0 mg/l)	1.90	8-11
	1.70	6-25

TABLE: 11 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PWP-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	3400	12-15
	1000	9-16
	1000	8-11
	3400	6-25
	1900	5-26
Cu (0.02 mg/l)	0.18	10-23
	0.11	5-26
	0.09	4-17
Total Fe (1.0 mg/l)	1.80	5-26
	1.90	4-17
Pb (0.10 mg/l)	0.20	5-26

TABLE: 12 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PW-04 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	900	12-15
	400	9-16
	1400	6-25
	8000	5-26
Cu (0.02 mg/1)	0.03	12-15
	0.06	9-16
	0.11	6-25
	0.11	3-17
Pb(0.10 mg/1)	0.14	12-15
	0.14	6-25
	0.50	3-17
Total Fe (1.0 mg/1)	3.40	6-25

TABLE: 13 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PWN-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	3000	12-15
	1600	10-23
	800	9-16
	600	8-11
	5000	6-25
	3000	5-26
	400	3-17
Cu (0.02 mg/1)	0.08	5-26
	0.36	2-6
Total Fe (1.0 mg/1)	1.50	5-26
Pb (0.10 mg/1)	0.32	2-6

TABLE: 14 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PW-06 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	1200	12-15
	300	9-16
	1000	6-25
	2800	5-26
	1000	4-17
	5000	1-13
Cu (0.02 mg/1)	0.04	8-11
	0.25	5-26
Total Fe (1.0 mg/1)	1.50	8-11
	4.20	5-26
Pb (0.1 mg/1)	0.20	5-26

TABLE: 15 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PW-05 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	8200	12-3
	1000	10-15
	600	8-18
	1200	6-9

TABLE: 16 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PWB-02 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	1800	12-3
	300	10-15
	400	6-9
Cu (0.02 mg/l)	0.07	10-15
	0.04	4-23
	0.07	1-9
Total Fe (1.0 mg/l)	1.10	10-15

TABLE: 17 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PW-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	5800	12-3
	500	6-9
Cu (0.02 mg/l)	0.05	8-18

TABLE: 18 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PW-07 Pecatonica River Co. Rd Br .5 Mi E of Winslow

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	Total Fe				
Winslow STW PW 177 11	ND	ND	ND	ND				

Table: 19
Water Quality Sampling Stations PW-07

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS								
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								
State of Wisconsin	X	X	X	X				

ND-No Data available

TABLE: 20 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PWP-01 Richland Ck Co rd br at Sciotto Mills

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe	Pb				
Orangeville Cl_2	X							
Afolkey Cheese Co-op Cl_2	X							
Cedarville STW								
Brush Creek Cheese								
Pleasant Hill Cheese								

Table: 21
Water Quality Sampling Stations PWP-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	total Fe	Pb				
Upstream WQSS								
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE:22 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PW-04 Pecatonica Riv Rt 26 Br at Freeport

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	total Fe				
Ill. Ctl. Gulf RR Freeport	X	X	X	X				
Stephenson Mobile Home Cl_2	X							
Lake-Le-Aqua-Na St. Pk. Cl_2	X							
Excelsior Cheese Co Cl_2	X							

Table: 23
Water Quality Sampling Stations PW-04

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS	X	X	X	X				
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 24 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PWN-01 Yellow Ck US 20 Br at SE edge of Freeport

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe	Pb				
Northern Hills Subd Cl_2	X							
Stockton Mfg. Co. Cl_2	X	X	X	X				
Lena STW Cl_2	X							
Kent Cheese Co CWD-002								
Kent Cheese Co 001 Cl_2	X							
Pearl City Lagoon Cl_2	X							
Freeport Blacktop Const.								
Boulder Hill MHP Freeport								
Shannon STW	X							

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 25
Water Quality Sampling Stations PWN-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS								
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 26 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PW-06 Pecatonica Riv Co Rd Br 1 Mi N of Ridott

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe	Pb				
Freeport STW Cl_2	X	X	X	X				
Modern Plating Corp	X	X	X	X				
King Seeley Thermos 001	ND	ND	ND	ND				
King Seeley Thermos 002	ND	ND	ND	ND				
Pleasant View Dairy	X	ND	ND	ND				
Rock City STW Cl_2	ND	ND	ND	ND				
Dakota STW Cl_2	X							
Highway Coop Cheese Plant	ND	ND	ND	ND				
Kelly Spfld Tire Dom Cl_2	X							
Kelly Spfld Tire Temp								

ND-NO Data available

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 27
Water Quality Sampling Stations PW-06

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS	X	X	X	X				
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 28 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PW-05 Pecatonica River Rt 70 Br 11 Mi NW of Rockford

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC							
Pecatonica STW Cl_2	X							
Dean Food-Pecatonica CWD								
Winnebago STW Cl_2	X							

Table: 29
Water Quality Sampling Stations PW-05

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC							
Upstream WQSS	X							
Agricultural Runoff	X							
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 30 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PWB-02 Sugar River Twp Rd Br 2 Mi W of Shirland

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe					
Spring Brook Cheese								
Durand SD	X							
Lake Summerset Subd STW Cl_2								

Table: 31
Water Quality Sampling Stations PWB-02

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	total Fe					
Upstream WQSS								
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							
State of Wisconsin	X	X	X					

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 32
Water Quality Sampling Stations PW-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu						
Upstream WQSS	X	X						
Agricultural Runoff	X	X						
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								
Feedlot	X	X						

Rock River Basin

Segment B-01

This segment includes the main stem of the Rock River from Illinois-Wisconsin boundary to below its confluence with the Pecatonica River at the Roscoe Bridge of the Rock River Basin and extends over portions of Boone and Winnebago counties. There are two Illinois Environmental Protection Agency water quality sampling stations within this segment. Briefly, the water quality sampling stations are located:

P-09 on the Rock River at the State Line Bridge at Beloit
P-15 on the Rock River near Rockton, Illinois

The water quality sampling station P-15 has been given a sample type code (See Appendix E) of 1 and the water quality sampling station P-09 has been given a sample type code of 1 and 4.

The exact location of each water quality sampling station is given on Tables 1 and 2.

There is one (Number 05437500) United States Geological Survey (USGS) stream gaging station in the segment which is located on the Rock River at Rockton, Illinois.

There are five point source discharges within this segment. Of these five discharges, one is identified as industrial, two are identified as municipal, and the remaining two are identified as miscellaneous.

There is no water treatment facility within this segment.

There is no permitted feedlot in the segment.

There are eight landfills in the segment. These are Interpace, I.W.S.G., Collins 2, Collins, Beloit Municipal at South Beloit, Beloit Foundry, A.A.A. at Roscoe, and Municipal Landfill at Rockton.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the two IEPA water quality sampling stations (WQSS) is presented in Tables 1 and 2. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorous, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with "Summary and Discussion of 1975 Water Quality Problems and Violations."

Summary of 1975 Sampling Data

TABLE: 1
Station: P-09 State Line Br at Beloit

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	600	13.7	-	.550	1.6	.46	.4	450	8.6
MINIMUM	100	8.2	-	.400	.8	.00	.1	270	8.3
MEAN	214	10.7	-	.470	1.2	.23	.3	358	8.4

TABLE: 2
Station: P-15 Rt 75 Br at Rockton

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	1000	12.8	-	.500	2.0	.46	-	450	8.4
MINIMUM	400	8.3	-	.350	1.0	.11	-	280	8.3
MEAN	561	11.0	-	.460	1.5	.29	-	366	8.3

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 3. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 3 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
P-09	A	A	A	A	A
P-15		B	A	B	C

Summary and Discussion of Aquatic Life Survey Reports

On October 9, 1975, biological samples were collected at three stations on North Kinnikinnick Creek near Roscoe, Illinois. The purpose of the survey was to determine stream conditions downstream from the Warner Electric Brake and Clutch Company discharge.

Station A-1: North Kinnikinnick Creek, approximately 50 yards upstream from the Warner Electric Brake and Clutch Company discharge, was unbalanced.

Station C-1: North Kinnikinnick Creek, approximately 800 feet downstream from the Warner Electric Brake and Clutch Company discharge, was semi-polluted.

Station C-2: North Kinnikinnick Creek, approximately 0.6 mile downstream from the Warner Electric Brake and Clutch Company discharge, was semi-polluted.

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling stations within this segment are presented in Tables 4 and 5. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 6 and 7.

P-09:

The parameters in violation of water quality standards at water quality sampling station P-09 (Rock River) were fecal coliform, copper, and lead, and their maximum recorded values were 600 organisms/100 ml., 0.12 mg/l, and 0.33 mg/l, respectively.

The violations of water quality standards at this location are directly attributable to point and non-point sources discharging into the Rock River in the State of Wisconsin.

The water quality data collected by IEPA do not show a dissolved oxygen violation at this location. However, in a recent meeting (May 17, 1976) between IEPA staff and Wisconsin Department of Natural Resources (DNR) staff held at Madison, Wisconsin, the staff from DNR indicated that there is a diurnal variation of dissolved oxygen in the Rock River near the borderline. At times, at night especially after cloudy days, the dissolved oxygen sags to 0.0 mg/l. Consequently, this problem needs to be investigated thoroughly during Phase II.

P-15:

The parameter in violation of water quality standards at water quality sampling station P-15 (Rock River) was fecal coliform, and its maximum recorded value was 1000 organisms/100 ml.

The point source discharges in the segment contributing to the violations of water quality standards are as listed in Table 6.

Most of the discharges have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that these discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from scattered livestock and individual septic tanks in the area is not known.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

P-09: fecal coliform, copper, and lead

In addition to those parameters above, the following parameter violations probably will not be corrected by control of known point source discharges:

P-15: fecal coliform

TABLE: 4 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-09 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform 200/100 ml)	600	8-18
	400	6-9
	400	4-23
Cu (0.02 mg/l)	0.05	12-3
	0.12	6-9
	0.06	3-10
Pb (0.10 mg/l)	0.33	12-3

TABLE: 5 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-15 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	700	12-3
	1000	10-15
	400	6-9
	500	4-23
	400	3-10

TABLE: 6 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-15

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC							
Rockton SD	X							
S. Beloit STW Cl_2	X							
Sonoco Prod. Rockton Cl_2	X							
Ledges Country Club lot Cl_2								
Warner Elec. Brake 001, 001A, 001B Cl_2	X							

Table: 7
Water Quality Sampling Stations P-15

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC							
Upstream WQSS	X							
Agricultural Runoff	X							
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

Rock River Basin

Segment B-02

This segment includes main stem of the Rock River below the Roscoe bridge downstream to its confluence with the Kyte River of the Rock River Basin and extends over portions of Boone, Carroll, Ogle, Stephenson, and Winnebago counties. There are five Illinois Environmental Protection Agency water quality sampling stations within this segment. Briefly, the water quality sampling stations are located:

P-07 on the Rock River Mid channel near Rockford, Illinois
P-08 on the Rock River East Channel near Rockford, Illinois
P-14 on the Rock River near Byron, Illinois
PN-01 on the Leaf River near Byron, Illinois
P-11 on the Rock River near Oregon, Illinois

The water quality sampling station PN-01 has been given a sample type code (See Appendix E) of 1 whereas all other water quality sampling stations have been given a sample type code of 1 and 4. The exact location of each water quality sampling station is given on Tables 1 through 5.

There is no United States Geological Survey (USGS) stream gaging station in the segment.

There are thirty-five point source discharges within this segment. Of these thirty-five discharges, twenty-two are identified as industrial, eight are identified as municipal, and the remaining five are identified as miscellaneous.

There is no water treatment facility within this segment.

There is one permitted feedlot in the segment called Glendennings, Incorporated.

There are nine landfills in this segment. These are Municipal at Rockton, RFRD Sndy at Loves Park, Mimtz at Loves Park, Carlson at Loves Park, Gunite at Rockford, Willwood at Rockford, Rockford S and G at Rockford, Sanitary District at Rockford, and Johnson at Byron.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the five IEPA water quality sampling stations (WQSS) is presented in Tables 1 through 5. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorous, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids, and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with "Summary and Discussion of 1975 Water Quality Problems and Violations."

Summary of 1975 Sampling Data

TABLE: 1
Station: P-07 Bypass 20 Br S Edge Rockford Mrd Ch

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	2000	13.9	-	.400	2.[illegible]	.30	.7	410	8.7
MINIMUM	100	9.2	-	.066	.5	.00	.2	290	8.3
MEAN	227	11.1	-	.280	1.9	.15	.4	352	8.5

TABLE: 2
Station: P-08 Bypass 20 Br S Edge Rockford E Chan

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	4100	13.7	-	.405	2.7	2.00	.2	450	8.7
MINIMUM	100	7.9	-	.290	.8	.10	.2	280	8.4
MEAN	357	10.7	-	.481	1.8	.84	.2	385	8.5

TABLE: 3
Station: P-14 Rt 72 Br at Byron

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	1000	13.3	-	.500	2.6	.98	1.0	400	8.5
MINIMUM	100	7.0	-	.300	1.6	.00	.2	200	8.3
MEAN	209	9.3	-	.371	1.9	.22	.6	330	8.4

TABLE: 4
Station: PN-01 Rt 2 Br 4 Mi SW of Byron

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	5900	12.5	-	.300	4.1	.27	1.3	380	8.5
MINIMUM	100	7.3	-	.110	2.4	.00	1.3	320	8.2
MEAN	1041	9.0	-	.194	3.2	.08	1.3	355	8.3

TABLE: 5
Station: P-11 Rt 64 Br at Oregon

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	900	14.3	-	.450	3.1	.88	1.3	390	8.5
MINIMUM	100	8.3	-	.300	1.5	.00	.2	210	8.3
MEAN	329	10.3	-	.354	2.2	.17	.7	335	8.4

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 6. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 6 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
P-07	A	A	A	A	A
P-08	A	B	A	B	B
P-14		A	A	A	A
PN-01		A	A	A	B
P-11	A	A	A	B	A

Summary and Discussion of Aquatic Life Survey Reports

Aquatic life survey reports conducted on the Rock River near Oregon and Rockford, Illinois in September, 1970, are summarized on the following page.

Sampling Location	Biological Classification
Rock River-Oregon Conservation dock upstream dam leftside	Semi-polluted
Rock River-Rockford Right Channel (looking downstream) at Airport road	Balanced
Rock River-Rockford Left Channel-leftside of channel at Airport road	Polluted

Other aquatic life surveys conducted on Spring Creek and near Byron Salvage Company during May, 1975, are discussed in the following pages.

On May 13, 1975, biological samples were collected at four stations on Spring Creek. The purpose of the survey was to determine the condition of the stream environment. Cyanide contamination in several streams and wells in the Byron area prompted the request for this survey.

Station 1: The Spring Creek, approximately 0.2 miles upstream from the confluence with the Rock River, was unbalanced.

Station 2: The Spring Creek, approximately 1.0 mile upstream from the confluence with the Rock River, was unbalanced.

Station 3: An unnamed tributary, approximately 0.5 miles upstream from the confluence with main branch of the Spring Creek, was unbalanced.

Station 4: The Spring Creek, approximately 2.0 miles upstream from the confluence with the Rock River, was unbalanced.

Spring Creek contained a normal population of aquatic life for this type of stream. If substantial amounts of cyanide were entering Silver Creek, little, if any, aquatic life would be expected to be found.

On May 13, 1975, a biological sample was collected from Woodland Creek approximately 1/8 mile upstream from the confluence with the Rock River near Byron, Illinois. The purpose of the survey was to determine the condition of the stream environment downstream from the Byron Salvage Company operation on Woodland Creek. Woodland Creek downstream from the operation was balanced at the time of the survey.

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling stations within this segment are presented in Tables 7-11. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 12-19.

P-07 and P-08:

These stations monitor the two channels of the Rock River. The water quality of both the stations is discussed together.

The parameters in violation of water quality standards at water quality sampling stations P-07 and P-08 (Rock River) were fecal coliform, copper, lead, and ammonia nitrogen. The maximum recorded values for fecal coliform, copper, lead, and ammonia nitrogen were 4100 organisms/100 ml., 0.16 mg/l, 0.22 mg/l, and 2.00 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 12.

The violations of water quality standards for copper and lead are attributable to landfills, upstream water quality sampling stations, combined sewers of Rockford S.D., sediments coming into the stream, industrial discharges, and urban storm sewer discharges.

The violations of water quality standards for ammonia nitrogen at this location are attributable primarily to Rockford Sanitary District, Rock Cut State Park, and Quaker Oats CWD-Rockford.

Rockford Sanitary District and Rock Cut State Park Sewage Treatment Works have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

P-14:

The parameters in violation of water quality standards at water quality sampling station P-14 (Rock River) were fecal coliform, copper, and lead. The maximum recorded values for fecal coliform, copper, and lead were 1000 organisms/100 ml., 0.10 mg/l, and 0.17 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 14.

The violations of water quality standards for copper and lead are attributable to upstream water quality sampling stations, sediments coming into the stream, urban storm sewer discharges, and industrial discharges.

Byron Sewage Treatment Works and Gem Suburban Incorporated have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

PN-01:

The parameters in violation of water quality standards at water quality sampling station PN-01 (Leaf River) were fecal coliform, copper, and total iron. The maximum recorded values for fecal coliform, copper, and total iron were 5900 organisms/100 ml., 0.08 mg/l, and 1.30 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 16.

The violations of water quality standards for copper and total iron are attributable to sediments coming into the stream and other non-point sources, probably rural in nature.

Forreston Sewage Treatment Works and Leaf River Sewage Treatment Works have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

P-11:

The parameters in violation of water quality standards at water quality sampling station P-11 (Rock River) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 900 organisms/100 ml., 0.08 mg/l, 1.30 mg/l, and 0.20 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 18.

The violations of water quality standards for copper, total iron, and lead are attributable to upstream water quality sampling stations, combined sewers of Oregon Sewage Treatment Works, sediments coming into the stream, urban storm discharges, and industrial discharges.

Oregon Sewage Treatment Works and NIU-Lorado Taft Sewage Treatment Works have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from combined sewers of Oregon, scattered livestock operations, and individual septic tanks in the area is not known.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

P-07 and P-08: fecal coliform, copper, and lead
P-14: fecal coliform, copper, and lead
PN-01: fecal coliform, copper, and total iron
P-11: fecal coliform, copper, lead, and total iron

In addition to those parameters above, the following parameter violations probably will not be corrected by control of known point source discharges:

P-08: ammonia nitrogen

TABLE: 7 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-07 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	2000	11-25
	400	4-23
Cu (0.02 mg/l)	0.04	10-16
	0.09	7-29
	0.05	4-23
	0.05	1-27
Pb (0.1 mg/l)	0.19	7-29
	0.22	1-27

TABLE: 8 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-08 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	300	10-16
	4100	7-29
	600	3-11
	1000	1-27
Amm N (1.5 mg/l)	2.00	11-25
Cu (0.02 mg/l)	0.16	11-25
Pb (0.10 mg/l)	0.20	11-25

TABLE: 9 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-14 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	300	8-28
	300	5-5
	1000	4-1
	210	2-4
Cu (0.02 mg/l)	0.10	11-4
	0.08	8-28
	0.08	5-5
	0.06	2-4
Pb (0.10 mg/l)	0.17	11-4
	0.16	8-28
	0.41	2-4

TABLE: 10 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PN-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	2500	11-4
	500	9-29
	900	8-28
	400	7-16
	5200	6-12
	5900	5-5
	1000	4-1
Cu (0.02 mg/l)	0.08	7-16
Total Fe (1.0 mg/l)	1.30	7-16

TABLE: 11 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-11 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	900	9-29
	600	8-28
	700	7-16
	400	5-5
	300	4-1
	310	2-4
Cu (0.02 mg/l)	0.06	11-4
	0.08	8-28
	0.06	5-5
	0.07	2-4
Pb (0.10 mg/l)	0.16	11-4
	0.19	8-28
	0.20	2-4
Total Fe (1.0 mg/l)	1.30	5-5

TABLE: 12 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-07 and P-08

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Amm N	Cu	Pb				
Bartels Gordon Co-CWD								
Rockford S.D. Cl_2	X		X	X				
Warner-Lambert Co	X							
Commonw Ed Sabrooke OF 2	X							
Commonw Ed Sabrooke OF 004	X							
Commonw Ed Sabrooke OF 005	X							
Ingersoll Mill Mach. CWD								
Quaker Oats CWD Rockford	X							
Quaker Oats PWD Rockford	X							
Borg Warner-Rockford CWD								
Barber-Colman Rockford CWD								
Barber-Colman Lov Pk 001								
Valspar Corp Rockford CWD								
Rockford Newspaper Inc. CW-001								

TABLE: 12 (contd) POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-07 and P-08

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Amm N	Cu	Pb				
Rockford Newspaper Inc CW-001								
Progressive Steel CWD								
Rockford Bakeries CWD								
Barnes John S Corp - CWD								
Rockford Newspaper Inc CW-002								
Rockford Newspaper Inc CW-003								
Barber-Colman Lov Pk 002								
Barber-Colman Lov Pk 003								
Twin Disc. Inc. CWD-001	X							
Amerock Corp Rockford CWD	X							
Dean Food Co Rockford	X							
Twin Disc. Inc. CWD-002								
Twin Disc. Inc. CWD-003								
Sun Heat Treating Rockford								

TABLE: 12 (contd) POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-07 and P-08

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Amm N	Cu	Pb				
Rockford Baptist H.S.-STK								
Pierce Chem. Co 001 CWD	X							
Smith Oil Co. Rockford								
Pierce Chem. Co. 002 PWD								
Caledonia Elem Sch								
Rock Cut State Park STW Cl_2	X							

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 13
Water Quality Sampling Stations P-07 and P-08

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	NH_3-N	Pb				
Upstream WQSS	X	X		X				
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	X	X		X				
Solid Waste Leachate	X	X		X				
Construction Site Runoff								
Septic Tank Leachate	X		X					
Combined Sewers	X	X	X	X				

TABLE: 14 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-14

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb					
Byron STW Cl_2	X	X						
Quality Metal Finishing	X	X	X					
Gem Suburban Inc Cl_2	X							
Stillman Valley STW	X							

Table: 15
Water Quality Sampling Stations P-14

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb					
Upstream WQSS	X	X	X					
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								
Feedlot	X							

TABLE: 16 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PN-01

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe					
Forreston STW Cl_2	X							
Leaf River STW Cl_2	X							
German Valley STW Cl_2								
Seward S.D.	X							

Table: 17
Water Quality Sampling Stations PN-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb					
Upstream WQSS								
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 18 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-11

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	total Fe				
Oregon STW Cl_2	X							
NIU Lorado Taft STW Cl_2	X							
Dean Dye Apts. STK								
Maxson Manor Rests-STK								
Carnation Co. Oregon CWD								
Commonw Ed Bryon Nuclear								

Table: 19
Water Quality Sampling Stations P-11

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS	X	X	X	X				
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	X							
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

Rock River Basin

Segment B-03

This segment includes main stem of the Rock River from the Kyte River Confluence to above Sterling-Rock Falls of the Rock River Basin and extends over portions of Ogle, Lee, and Whiteside counties. There are two Illinois Environmental Protection Agency water quality sampling stations within this segment. Briefly, the water quality sampling stations are located:

PJ-01 on Pine Creek near White Pine State Park
P-10 on the Rock River near Dixon, Illinois

Both water quality sampling stations have been given a sample type code (See Appendix E) of 1 and 4. The exact location of each water quality sampling station is given on Tables 1 and 2.

There is no United States Geological Survey (USGS) stream gaging station in the segment.

There are seventeen point source discharges within this segment. Of these seventeen discharges, six are identified as industrial, two are identified as municipal, and the remaining nine are identified as miscellaneous.

There is one water treatment facility within this segment - State of Illinois Dixon St. School.

There is no permitted feedlot in the segment.

There is one landfill, Gerdes at Dixon, in the segment.

Aquatic Life Survey Reports

No aquatic life surveys are available for this segment.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the two IEPA water quality sampling stations (WQSS) is presented in Tables 1 and 2. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorous, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids, and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with " Summary and Discussion of 1975 Water Quality Problems and Violations."

Summary of 1975 Sampling Data

TABLE: 1
Station: PJ-01 Co Rd Br nr Entr to White Pine St Pk

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	2000	13.7	-	1.100	6.4	.46	.4	370	8.6
MINIMUM	80	6.6	-	.110	1.4	.00	.4	200	8.0
MEAN	192	9.6	-	.295	3.3	.10	.4	328	8.4

TABLE: 2
Station: P-10 US 52 Rt 26 Br at Dixon

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	6000	14.6	-	.850	3.1	.50	.9	430	9.0
MINIMUM	100	7.5	-	.260	1.4	.00	.2	280	8.3
MEAN	362	11.2	-	.388	2.3	.21	.5	350	8.5

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 3. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 3 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
PJ-01		A	A	B	A
P-10	A	A	A	A	A

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling stations within this segment are presented in Tables 4 and 5. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 6-9.

PJ-01:

The parameters in violation of water quality standards at water quality sampling station PJ-01 (Pine Creek) are fecal coliform, copper, and lead, and their maximum recorded values are 2000 organisms/100 ml., 0.06 mg/l, and 0.18 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 6.

The violations of water quality standards for copper and lead are attributable to Kahle Printing Company and sediments coming into the stream.

The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

P-10:

The parameters in violation of water quality standards at water quality sampling station P-10 (Rock River) are fecal coliform, copper, and lead. The maximum recorded values for fecal coliform, copper, and lead were 6000 organisms/100 ml., 0.08 mg/l, and 0.21 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 8.

The violations of water quality standards for copper and lead are attributable to upstream water quality sampling stations, combined sewers of Dixon, sediments coming into the stream, urban storm discharges, and industrial discharges.

Dixon Sewage Treatment Works and Dixon State School Sewage Treatment Works have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from combined sewers of Dixon, upstream water quality sampling stations, upstream segments, scattered livestock operations, and individual septic tanks in the area is unknown.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

PJ-01: fecal coliform, copper, and lead
P-10: fecal coliform, copper, and lead

In addition to those parameters above, the following parameter violations probably will not be corrected by control of known point source discharges:

TABLE: 4 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PJ-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	400	6-12
	300	5-5
	2000	4-1
Cu (0.02 mg/l)	0.06	7-16
Pb (0.10 mg/l)	0.18	7-16

TABLE: 5 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-10 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	1500	12-2
	400	7-15
	6000	6-17
	300	5-6
	500	4-15
Cu (0.02 mg/l)	0.06	5-6
	0.08	2-11
Pb (0.10 mg/l)	0.21	2-11

TABLE: 6 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PJ-01

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb					
Mt Morris STW	X							
White Pine State Park	X							
Kable Printing Co.	X	X	X					
Rudes Custom Butchering								
Newlanding Utility Inc. Cl2								

Table: 7
Water Quality Sampling Stations PJ-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb					
Upstream WQSS								
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & subsurface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 8 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-10

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb					
Dixon STW Cl_2	X							
Medusa Cement-STP (003A)	X							
Dixon State Sch STW Cl_2	X							
Medusa Cement-CWD 002								
Medusa Cement-CWD 003								
Medusa Cement-CWD 004								
Dixon City Garage STDF								
Franklin Grove S.D.	X							
State of Illinois Dixon St. School PWS								

Table: 9
Water Quality Sampling Stations P-10

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb					
Upstream WQSS	X	X	X					
Agricultural Runoff	X	X	X					
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	X	X	X					
Solid Waste Leachate		X	X					
Construction Site Runoff								
Septic Tank Leachate								
Combined Sewer	X	X	X					
Upstream Segments	X	X	X					

Rock River Basin

Segment B-04

This segment includes main stem of the Rock River from above Sterling-Rock Falls to above confluence with the Green River of the Rock River Basin and extends over portions of Carroll, Ogle, Lee, Bureau, Whiteside, Henry, and Rock Island counties. There are six Illinois Environmental Protection Agency water quality sampling stations within this segment. Briefly, the water quality sampling stations are located:

P-06 on the Rock River near Rock Falls, Illinois
PH-01 on Elkhorn Creek near Sterling, Illinois
P-12 on the Rock River near Prophetstown, Illinois
PE-05 on the Rock Creek near Erie, Illinois
P-04 on the Rock River near Joslin, Illinois
P-03 on the Rock River near Carbon Cliff, Illinois

Two water quality sampling stations, P-06 and PH-01, have been given a sample type code (See Appendix E) of 1 and 4 whereas the other four water quality sampling stations have been given a sample type code of 1.

The exact location of each water quality sampling station is given on Tables 1 through 6.

There are two United States Geological Survey (USGS) stream gaging stations in the segment. They are located as follows:

Number 05444000 on the Elkhorn Creek near Penrose, Illinois
Number 05446500 on the Rock River near Joslin, Illinois

There are twenty-four point source discharges within this segment. Of these twenty-four discharges, five are identified as industrial, eleven are identified as municipal, and the remaining eight are identified as miscellaneous.

There are two water treatment facilities within this segment. They are Northern Illinois Water Corporation Plants at Sterling and Rockfalls.

There is no permitted feedlot in the segment.

There are six landfills: Common Steel at Sterling, Koster at Sterling, NW Steel at Sterling, Whiteside County at Morrison, Municipal #2 at Polo, and Municipal at East Moline, in the segment.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the 6 IEPA water quality sampling stations (WQSS) is presented in Tables 1-6. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorus, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids, and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with "Summary and Discussion of 1975 Water Quality Problems and Violations".

Summary of 1975 Sampling Data

TABLE: 1
Station: P-06 US 30 Br 2 Mi W of Rock Falls

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	4000	12.7	-	.500	2.6	.47	1.2	530	8.8
MINIMUM	100	5.6	-	.280	.8	.03	.6	290	8.3
MEAN	388	9.7	-	.376	1.8	.22	.8	368	8.4

TABLE: 2
Station: PH-01 Rt 2 Br 6 Mi SW of Sterling

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	14000	12.8	-	2.400	5.1	270	13.0	400	8.7
MINIMUM	100	6.8	-	.200	1.4	.04	1.0	130	7.4
MEAN	1255	9.5	-	.556	3.3	.46	5.1	340	8.3

TABLE: 3
Station: P-12 Rt 78 Br 1 Mi N of Prophetstown

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	2800	15.7	-	1.200	3.3	.60	6.0	400	8.8
MINIMUM	100	6.5	-	.300	.7	.00	.4	290	7.9
MEAN	467	11.1	-	.440	1.9	.23	2.4	337	8.5

TABLE: 4
Station: PE-05 Rt 2 Br 3 Mi NE of Erie

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	70000	12.5	-	.750	3.1	.72	2.2	400	8.5
MINIMUM	100	6.3	-	.170	1.8	.08	.5	350	8.3
MEAN	1001	9.1	-	.377	2.5	.31	1.3	366	8.3

TABLE: 5
Station: P-04 Rt 92 Br 2 Mi E of Joslin

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	3100	12.7	-	.500	2.6	.92	2.2	400	8.6
MINIMUM	100	6.2	-	.037	1.2	.00	.6	220	7.7
MEAN	463	9.7	-	.356	1.9	.28	1.4	321	8.2

TABLE: 6
Station: P-03 Rt 84 Br nr Carbon Cliff

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	2600	13.0	-	.500	3.3	.62	1.2	390	8.5
MINIMUM	200	5.7	-	.350	.9	.00	.7	240	8.2
MEAN	851	9.8	-	.411	2.0	.17	.9	320	8.4

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 7. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 7 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
P-06	A	B	A	B	A
PH-01		A	A	C	B
P-12		A	A	B	A
PE-05	A	B	B	C	A
P-04	A	A	A	B	A
P-03	A	A	A		B

Summary and Discussion of Aquatic Life Survey Reports

On August 5 and August 6, 1969, the biological staff conducted a biological survey of Elkhorn Creek from Milledgeville to its confluence with the Rock River.

The purpose of this investigation was to observe the effects (if any) of the Milledgeville Sewage Treatment Plant effluent (which includes Kraft Milk waste) on the creek.

The creek was sampled at five locations: one was upstream from Milledgeville at Olin Bridge, and four were downstream from Milledgeville (at the Polo Road Bridge, Johnson Bridge southeast of Milledgeville, Oak Knoll Cemetery road north of Sterling, and at the Route 2 bridge west of Como approximately ½ mile from the mouth).

All five stations were classified as balanced. The only tolerant forms found were a few midgefly larvae and one leech. The last station, before the confluence with the Rock River west of Como, had no tolerant forms present; and, thus, the Elkhorn Creek was not adversely affecting the Rock River. The station at the Polo road bridge was possibly bacterially contaminated as indicated by average bacterial counts for the Milledgeville Sewage Treatment Plant for 1968.

As a result of this investigation, it was found that Elkhorn Creek was clean and balanced from above Milledgeville to the mouth, and that neither the Kraft Milk nor the Milledgeville Sewage Treatment Plant effluent were having any detrimental effects on the biota of the creek.

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling stations within this segment are presented in Tables 8-13. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 14-25.

P-06:

The parameters in violation of water quality standards at water quality sampling station P-06 (Rock River) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 4000 organisms/100 ml., 0.12 mg/l, 1.20 mg/l, and 0.12 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 14.

The violations of water quality standards for copper, total iron, and lead are attributable to upstream water quality sampling stations, point source discharges (Table 14), urban storm sewer discharges, and sediments coming into the stream.

Several point source discharges (Table 14) have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that these discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from upstream water quality sampling stations, scattered livestock operations, and individual septic tanks in the area is not known.

PH-01:

The parameters in violation of water quality standards at water quality sampling station PH-01 (Elkhorn Creek) were fecal coliform, copper, total iron, ammonia nitrogen, and manganese. The maximum recorded values for fecal coliform, copper, total iron, manganese, and ammonia nitrogen were 14000 organisms/100 ml., 0.30 mg/l, 13.0 mg/l, 1.03 mg/l, and 2.70 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 16.

The violations of water quality standards for copper, total iron, and manganese are attributable to sediments coming into the stream.

Milledgeville Sewage Treatment Works has chlorination facilities, but its effluents contain high fecal coliform counts. This may indicate that this discharge is either overloaded or is poorly operated and maintained. The contribution of fecal coliform from scattered livestock operations and individual septic tanks in the area is not known.

P-12:

The parameters in violation of water quality standards at water quality sampling station P-12 (Rock River) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 2800 organisms/100 ml., 0.18 mg/l, 6.00 mg/l, and 0.15 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 18.

The violations of water quality standards for copper, total iron, and lead are attributable to upstream water quality sampling stations, the sediments coming into the stream, urban storm sewer discharges, and industrial discharges.

Prophetstown has chlorination facilities, but its effluent contains high fecal coliform counts. This may indicate that this discharge is either overloaded or is poorly operated and maintained. The contribution of fecal coliform from upstream water quality sampling stations, scattered livestock operations, and individual septic tanks in the area is not known.

PE-05:

The parameters in violation of water quality standards at water quality sampling station PE-05 (Rock Creek) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 70,000 organisms/100 ml., 0.12 mg/l, 2.20 mg/l, and 0.12 mg/l, respectively.

The point source discharge contributing to the violations of water quality standards is as listed in Table 20.

The violations of water quality standards for copper, total iron, and lead are attributable to sediments coming into the stream, urban storm drainage, and industrial discharges.

It appears that the fecal coliform violations are related with such non-point sources as scattered livestock operations and individual septic tanks in the area.

P-04:

The parameters in violation of water quality standards at water quality sampling station P-04 (Rock River) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 3100 organisms/100 ml., 0.19 mg/l, 2.20 mg/l, and 0.92 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 22.

The violations of water quality standards for copper, total iron, and lead are attributable to upstream water quality sampling stations, sediments coming into the stream, and the point sources in this segment.

Erie Sewage Treatment Works and Hillsdale Sanitary District have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that both the discharges are either overloaded or are poorly operated and maintained. The contribution of fecal coliform from upstream water quality sampling stations, scattered livestock operations, and individual septic tanks in the area is considered significant at this station.

P-03:

The parameters in violation of water quality standards at water quality sampling station P-03 (Rock River) were fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 2600 organisms/ 100 ml., 0.23 mg/l, 1.20 mg/l, and 0.24 mg/l, respectively. The point source discharges contributing to the violations of water quality standards are as listed in Table 24.

The violations of water quality standards for copper, total iron, and lead are attributable to upstream water quality sampling stations, sediments coming into the stream, and point sources in this segment.

Kershaw Trailer Park and Mobet Meadows Trailer Park have chlorination facilities, but their effluents contain high fecal coliform counts. The major contribution of fecal coliform is from upstream water quality sampling stations, scattered livestock operations, and individual septic tanks in the area.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

P-06:	fecal coliform, copper, lead, and total iron
PH-01:	fecal coliform, copper, total iron, and manganese
P-12:	fecal coliform, copper, lead, and total iron
PE-05:	fecal coliform, copper, lead, and total iron
P-04:	fecal coliform, copper, lead, and total iron
P-03:	fecal coliform, copper, lead, and total iron

In addition to those parameters above, the following parameter violations probably will not be corrected by control of known point source discharges:

PH-01: ammonia nitrogen

TABLE: 8 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-06 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	4000	12-2
	1000	7-1
	1200	5-27
	300	4-16
	700	1-14
Cu (0.02 mg/l)	0.08	12-2
	0.12	9-15
	0.07	3-18
Pb (0.10 mg/l)	0.12	12-2
	0.11	3-18
Total Fe (1.0 mg/l)	1.20	3-18

TABLE: 9 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PH-01 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	14000	12-2
	1000	10-22
	400	8-12
	1000	7-1
	2200	5-27
	900	4-16
	3500	3-18
	2000	1-14
Cu (0.02 mg/l)	0.15	2-2
	0.30	9-15
	0.27	3-18
Total Fe (1.0 mg/l)	1.30	12-2
	13.00	3-18
Amm N (1.5 mg/l)	2.70	3-18
Mn (1.0 mg/l)	1.03	3-18

TABLE: 10 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-12 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	2800	12-2
	500	10-22
	1000	7-1
	400	5-27
	800	3-18
	600	1-14
Cu (0.02 mg/l)	0.07	12-2
	0.18	9-15
	0.16	3-18
Pb (.10 mg/l)	0.15	12-2
Total Fe (1.0 mg/l)	6.00	3-18

TABLE: 11 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION PE-05 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	70000	12-2
	2000	10-22
	1000	8-12
	2000	7-1
	900	5-27
	400	4-16
Cu (0.02 mg/l)	0.12	8-12
	0.11	5-27
	0.08	2-5
Pb (0.10 mg/l)	0.12	8-12
Total Fe (1.0 mg/l)	2.2	8-12
	1.4	5-27

TABLE: 12 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-04 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	3100	11-12
	500	8-25
	1700	6-18
	1000	4-2
	400	2-27
Cu (0.02 mg/l)	0.19	11-12
	0.08	8-25
	0.07	5-7
	0.06	2-27
Pb (0.10 mg/l)	0.92	11-12
	0.11	5-7
Total Fe (1.0 mg/l)	2.1	8-25
	2.2	5-7

TABLE: 13 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-03 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	2600	11-13
	2600	8-26
	1000	7-23
	2000	6-19
	400	5-8
	300	2-26
Cu (0.02 mg/l)	0.23	7-23
	0.08	1-30
Pb (0.10 mg/l)	0.24	7-23
	0.16	1-30
Total Fe (1.0 mg/l)	1.20	7-23

TABLE: 14 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-06

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	total Fe				
Moore MHP Cl_2	X							
Sauk Valley College Cl_2	X							
Commonw Ed Dixon-001 CWD	X							
Castellan Development Cl_2								
Commonw Ed Dixon-002 San								
Commonw Ed Dixon-003 Ash								
Commonw Ed Dixon-002 Dem								
Larson Chas. Mfg. Co.								
Sterling STW Cl_2	X	X	X	X				
Rock Falls STW	X	X	X	X				
Mid America Protein								
Whiteside Co. Airport								
NW Steel-Wire East 002	X	X	X	X				
Riverside Mobile Cl_2	X							

TABLE: 14 contd POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-06

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	total Fe				
Lawrence Park								
Sinnissippi Park STK								
Woodlawn Sch Dist 5-STK								
AW Rootbeer STK Sterling								
NW Steel-Wire West 003	X							
NW Steel-Wire Bk Wsh-008								
NW Steel-Wire West 007		X	X	X				
Frantz Mfg. Co.								
Country Acres Tr. Pk. Cl_2								
Nachusa Lutheran Home								
Rockfalls				X				

SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING
TO WATER QUALITY VIOLATIONS

Table: 15
Water Quality Sampling Stations P-06

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS								
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								
Upstream Segments	X	X	X	X				

TABLE: 16 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PH-01

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe	MN	Amm N			
Chadwick STW Cl_2	X							
Lanark STW	X							
Milledgeville STW Cl_2	X							
Polo STW	X							
Northern Ill. Water Corp.(Sterling)			v					

Table: 17
Water Quality Sampling Stations PH-01

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	total Fe	Mn	NH_3-N			
Upstream WQSS	v							
Agricultural Runoff	X	X	X	X	X			
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate		X	X	X				
Construction Site Runoff								
Septic Tank Leachate	X				X			

TABLE: 18 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-12

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	total Fe				
Prophetstown STW Cl_2	X							
Tampico STW	X							

Table: 19
Water Quality Sampling Stations P-12

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS	X	X	X	X				
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								
Upstream segments	X	X	X	X				

TABLE: 20 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: PE-05

Key: x contained in effluent x̲ 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	total Fe				
Morrison STW	X̲	X	X	X				

Table: 21
Water Quality Sampling Stations PE-05

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS								
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate	X							

TABLE: 22 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-04

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	total Fe				
Erie STW	X	X		X				
Hillsdale S.D. Cl_2	X							
Riverdale H.S. Cl_2	X							

Table: 23
Water Quality Sampling Stations P-04

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS	X	X	X	X				
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								

TABLE: 24 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-03

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	Pb	total Fe				
Illini Beef Packers Inc.								
Kershaw Trailer Park Cl_2	X							
Mobet Meadows Tr. Pk. Cl_2	X	X	X	X				
Moline Consumers Cleveland								
Silvis STW	X							

Table: 25
Water Quality Sampling Stations P-03

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS	X	X	X	X				
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff								
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								

Rock River Basin

Segment B-05

This segment includes the main stem of the Rock River from the Green River Confluence to its confluence with the Mississippi River of the Rock River Basin and is contained in Rock Island, Mercer and Henry counties. There is one Illinois Environmental Protection Agency water quality sampling station within this segment. Briefly, the water quality sampling station is located:

P-18 on the Rock River at Rt. 199 Br. in Rock Island, Illinois

This water quality sampling station has been given a sample type code (See Appendix E) of 1. The exact location of each water quality sampling station is given on Table 1.

There is one (Number 05448000) United States Geological Survey (USGS) stream gaging station in the segment which is located on Mill Creek at Milan, Illinois.

There are fifteen point source discharges within this segment. Of these fifteen discharges, one is identified as industrial, three are identified as municipal, and the remaining eleven are identified as miscellaneous.

There is one water treatment facility within this segment at Rock Island.

There is no permitted feedlot in the segment.

Summary and Discussion of Aquatic Life Survey Reports

No aquatic life surveys are available in the file.

Existing Water Quality

A summary of the existing (1975 calendar year) water quality in terms of maximum, minimum, and mean values for nine of the parameters at the one IEPA water quality sampling station (WQSS) is presented in Table 1. The nine parameters are fecal coliform, dissolved oxygen, total suspended solids, total phosphorus, nitrate nitrogen, ammonia nitrogen, total iron, total dissolved solids, and pH. The units applicable to each parameter are shown in the tables. A discussion of the water quality summary tables is included in conjunction with "Summary and Discussion of 1975 Water Quality Problems and Violations".

Summary of 1975 Sampling Data

TABLE: 1
Station: P-18 Rt 199 Br at Rock Island

	Fecal Coli #/100 ml	DO mg/l	TSS mg/l	Total P mg/l	NO_3-N mg/l	NH_3-N mg/l	Iron Total mg/l	TDS mg/l	pH
MAXIMUM	7000	13.0	-	.600	3.2	.53	3.2	370	8.6
MINIMUM	100	7.0	-	.250	.6	.00	3.2	290	8.2
MEAN	749	9.2	-	.408	1.8	.12	3.2	330	8.4

SUMMARY AND DISCUSSION OF WATER QUALITY INDICES (WQI)

Using four water quality parameters, dissolved oxygen, fecal coliform, total dissolved solids, and ammonia-nitrogen, water quality indices have been developed by the IEPA staff for each of the WQSS. The values of WQI have been compared with the findings and experiences of the IEPA field engineers and biological staffs. Based upon these values of the WQI, the WQSS have been assigned a rating of Good or Balanced (A), Average or Unbalanced (B), Fair or Semi-polluted (C), and Poor or Polluted (D). A summary of the WQI ratings from the years 1971 through 1975 for the WQSS within this segment is presented in Table 2. A detailed discussion about the WQI is presented in the Appendix C.

These water quality indices should, however, be taken with caution because they are based on water quality as measured in terms of four parameters only. Therefore, a rating of good or balanced (A), and average or unbalanced (B) assigned to any WQSS does not mean that other water quality parameters may not be in violation of the water quality standards at that WQSS.

Table 2 WATER QUALITY INDICES

STATION	1971	1972	1973	1974	1975
P-18		A	A		B

Summary and Discussion of 1975 Water Quality Problems and Violations

Parameters in violation of general use water quality standards, their values, and sampling dates at the water quality sampling station within this segment are presented in Table 3. Sources contributing or possibly contributing to the water quality violations shown are presented in Tables 4 and 5.

P-18:

The parameters in violation of water quality standards at water quality sampling station P-18 (Rock River) are fecal coliform, copper, total iron, and lead. The maximum recorded values for fecal coliform, copper, total iron, and lead were 7000 organisms/ 100 ml., 0.11 mg/l, 3.20 mg/l, and 0.37 mg/l, respectively.

The point source discharges contributing to the violations of water quality standards are as listed in Table 4.

The violations of water quality standards for copper, total iron, and lead are attributable to upstream segments, overflows from Coal Valley Sewage Treatment Works, sediments coming into the stream, urban storm sewer discharges, and industrial discharges.

Most of the point source discharges have chlorination facilities, but their effluents contain high fecal coliform counts. This may indicate that these discharges are either overloaded or are poorly operated and maintained.

Water Quality Violations That Will Remain After Point Source Controls Are Operational

The following water quality parameters are being violated; these violations will not be corrected by control of known point source discharges:

P-18: fecal coliform, copper, lead, and total iron

TABLE: 3 PARAMETERS IN VIOLATION OF WATER QUALITY STANDARDS (GENERAL USE) AT STATION P-18 FOR 1975

PARAMETER AND LIMIT	PARAMETER VALUE	SAMPLE DATE
Fecal Coliform (200/100 ml)	2100	11-12
	1200	8-25
	1000	7-23
	7000	6-18
Cu (0.02 mg/l)	0.11	6-18
Total Fe (1.0 mg/l)	3.20	6-18
Pb (0.10 mg/l)	0.37	6-18

TABLE: 4 POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-18

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe	Pb				
Oakwood CCLB Coal Valley								
Moline South Slope STW Cl_2	X							
Bridgelane Tr. Ct. Cl_2								
Namequa Lodge STW Cl_2								
Harold's Restaurant								
Allied Stone Co. Milan	X							
SIBA Inc. Woodland Pk MHP Cl_2	X							
Oak Grove Tr. Pk.	X							
Reynolds STW Cl_2	X							
Mill Creek Cntry Club								
Airview MHP Cl_2	X							
Paradise Manor Cl_2	X							
Oak Glen Nurs Home	X							
Quad City Airport Cl_2	X							

TABLE: 4 contd POINT SOURCES CONTRIBUTING/POSSIBLY CONTRIBUTING TO WATER QUALITY VIOLATIONS

Water Quality Station: P-18

Key: x contained in effluent x 1975 effluent violation	PARAMETERS BEING VIOLATED AT WATER QUALITY SAMPLING STATION							
Pollutant Source	FC	Cu	total Fe	Pb				
Coal Valley STW Cl_2	X							
Rock Island PWS			X					

Table: 5
Water Quality Sampling Stations P-18

Pollutant Source	PARAMETERS BEING VIOLATED							
	FC	Cu	Pb	total Fe				
Upstream WQSS								
Agricultural Runoff	X	X	X	X				
Silvicultural Runoff								
Mining (strip & sub-surface)								
Urban Stormwater Runoff	X	X	X	X				
Solid Waste Leachate								
Construction Site Runoff								
Septic Tank Leachate								
Upstream Segments	X	X	X	X				
Overflows	X	X	X	X				

CHAPTER V

FACILITIES PLANNING AREAS

The Facilities Planning Area is defined as that area deemed necessary to prepare an environmental assessment and to assure that the most cost-effective means of achieving the established water quality goals can be planned and implemented. Pursuant to Section 35.917-2 of the Federal Register (Vol. 39, No. 29, Monday, February 11, 1974), the Illinois Environmental Protection Agency has delineated, as a preliminary basis for planning, the boundaries of each area in the state for which municipal waste treatment facilities must be planned. These areas have been delineated with consideration given to maximization of cost savings, management efficiencies, environmental gains or other factors that may result from interconnection of individual waste treatment systems or collective management of these systems. As planning progresses for each area, local officials are consulted to ascertain the desirability of adjustments in area boundaries and the selection of a local agency or agencies which will be responsible for the conduct of facilities planning in each area.

Appendix F of this document includes facilities planning areas for the Rock River Basin as delineated at this time.

APPENDIX C

WATER QUALITY INDEX

There are a number of ways of summarizing large bodies of complex data. Among these, maps, graphs, tables, and indices are commonly used, and are familiar to the American public as weather forecasting, stock market reports, cost of living increases, and environmental and air pollution indices. Well constructed indices when properly employed summarize large amounts of information in a single number; these numbers can be easily compared, and trends determined, even by those having no intimate knowledge of the individual factors used in the calculation.

According to the National Academy of Sciences report "Planning for Environmental Indices" (1975):

> Environmental indices are means for assimulating information about one or more aspects of the environment. Their purposes are to enhance communication and to facilitate the judgment and decision-making processes. Environmental indices are potentially powerful tools for highlighting significant environmental conditions, illustrating major trends, formulating environmental goals, and measuring progress toward these goals. They can be useful in devising environmental control programs and determining their success, both prospectively and retrospectively. Indices can be effective ...[in] informing laymen and professionals alike about the status of environmental quality.

The wide utility of a sound environmental index, makes the development of such an index attractive. If the index is to be useful, it should be flexible, in terms of the ease with which parameters and data are added or dropped; operate over a finite, explicit range; incorporate information about the appropriate standard; operate on a linear scale; and be capable of comparison across years and projection into the future.

Because none of the available indices met these requirements a new index was developed. This index has a well known statistical form. Because the properties of this form are known, the significance of trends, unusual observations in the original data, and the significance of differences in index values can be readily assessed.

Further, the index has been used to correlate subjective field inspection assessments, or biological monitoring reports with chemical water quality data, and provides the first link among these.

If the concept of water quality standards is valid, and if the standards themselves are properly set, then pollutional levels can be monitored both by the frequency and magnitudes of violations. Numerous attempts to utilize raw data have been made, with few substantive results, since the various parameters operate over different ranges, and are measured on different scales. Viable approaches, therefore, must operate on uniform, dimensionless scales. Such a scale can be developed using data ranks and normalized, rather than raw, data. The water quality index described here is such an index.

After careful consideration of the most significant single-parameter indicators of man-made and natural pollution for which water quality standards exist, it was found that no single set of parameters would be sufficient to detect all possible pollutional events. However, with few exceptions, fecal coliforms, DC, TDS, and ammonia nitrogen, collectively, are adequate indicators of most pollutional events. An objective, statistically sound, water quality index was developed which employs these parameters. (Any other (set of) parameters could be used without modification of the index). The procedure is given below.

i) For each water quality parameter used (e.g. ammonia, field DO, fecal coliform, etc.) select a minimum or maximum value. Water quality standards are such values.

ii) Assign ranks, R_{ij}, to each column of water quality parameters, including the control value (standard or legal limit). If the observations are tied, then the tied observations are

given the average rank of the observations assuming no ties. If the jth value for the ith parameter is better than or equal to the standard, then R_{ij} is assigned the same rank, R_{ic}, as the standard. In this manner only values which are contributing to the pollution are taken into consideration.

iii) Compute the variance of the data ranks for each parameter using the formula:

(1) $$\text{Variance } (R_i) = \frac{1}{12n} \left(n^3 - n - \sum_{\text{all}} (t_k^{\,3} - t_k)\right)$$

where $i = 1, 2, \ldots p$

p = number of parameters

n = number of observations in each column plus control value

t_k = number of observations in a tie of the kth type.

$(k = 0, 1, 2, \ldots n)$

(2) The standardized variate is defined as

$$Z_{ij} = (R_{ij} - R_{ic}) / \sigma_{Ri}$$

where $j = 1, 2, \ldots n_i$ and $i = 1, 2, \ldots p$,

R_{ij} is the rank of the jth observation in the ith parameter,

R_{ic} is the rank of the control value for the ith parameter, and

σ_{Ri} is the standard deviation of the data ranks for the ith parameter.

(3) Compute

$$S = \sum_{i=1}^{p} \sum_{j=1}^{n_i} Z_{ij}^{2}$$

(4) Compute the sum of the ranks,

$$T = \sum_{i=1}^{p} \sum_{j=1}^{(n_i-1)} R_{ij}$$

excluding the ranks of the control values, then

(5) Define the index:

$$P_1^* = (S/(T + S))^{\frac{1}{2}}$$

Application of the central limit theorem shows that the standardized variate Z_{ij} follows the standard normal distribution for large values of m (= n-1). It is a well-known fact that the square of a standard normal variate is a chi-square variate and, therefore, the variable S, which is $\sum_i \sum_j Z_{ij}^2$, follows a chi-square distribution for large samples. Thus, there are sound theoretical reasons for defining the index P_1^* as given previously. Simulations (for each parameter), from 2,000 samples of sets of 12 observations on each of four parameters, showed that Z follows a standard normal distribution, and S a chi-square distribution.

The beta distribution arises naturally as the distribution of the ratio

(6) $Y_1^2 / (Y_1^2 + Y_2^2)$

where Y_1^2 and Y_2^2 are independent random variables having chi-square distributions. Alternatively, if Y_1^2 is chi-squared distributed and

Y_2^2 is constant, the ratio (6) also follows the β- distribution. In our case, S is chi-squared distributed, and T is approximately constant. Therefore, by extrapolation, the ratio S/(S + T) and the index P_1^* are expected (and found) to follow a beta distribution is the domain (0, b), $0<b<1$.

In order that the index P_1^* assume the complete range of (0, 1), a transformation has to be made on P_1^*. This transformation is $P_1=P_1^*/b$. A formula for calculating 'b' is given by equation (7).

$$(7) \quad b = \left(\frac{2 \sum_{i=1}^{p} n_i^2}{3 \sum_{i=1}^{p} n_i^2 + \sum_{i=1}^{p} n_i - 2p} \right)^{\frac{1}{2}}$$

That the index P_1 is dependent on the number of parameters and the number of observations can be seen from the formula for 'b'. If we have the same number of observations within each parameter, then the value of 'b' reduces to

$$(8) \quad b = \left(\frac{2n^2}{3n^2 + n-2} \right)^{\frac{1}{2}}$$

This clearly shows that the index depends only on the number of observations and not on the number of parameters, provided that there are an equal number of observations for each parameter.

APPENDIX D

BIOLOGICAL INVESTIGATION PROCEDURES

Principle:

The purpose of a stream investigation is to determine the condition of the environment by observing and identifying the inhabitants. An intimate knowledge of the interrelationship of stream life is necessary for effective sample collection and interpretation. Interpretation depends on observation and accurate identification of species collected. Samples, to be of value, must be collected by trained individuals.

Aquatic Biologists conducting stream investigations shall follow "Standard Methods for the Examination of Water and Wastewater", thirteenth edition, or other acceptable methods. The following guidelines shall be included:

Significance:

A biological stream investigation is significant in detecting varying degrees of pollution, in detecting changes in the environment through repeated sampling, in monitoring for water quality management, and in establishing water use limits.

Sample:

I. Sample collection shall be conducted in the following manner.

   A. Collect from morphologically comparable environments.

   B. Collect upstream and downstream and in the area of interest where applicable.

   C. Collection should progress upstream until a balanced condition is found or existing conditions can be identified.

   D. Collection should progress downstream far enough to delineate zones of degradation when present and/or to reveal environmental changes which may be brought about by confluence with another stream.

   E. Collect to the point of diminishing returns, however, not less than one-half hour or more than two hours per station.

   F. Collect upstream from access points to avoid litter.

II. Identification of specimens shall be determined based on the intent of the investigation.

A. General identification shall be to the taxonomic category necessary to identify organisms with a tolerance status.

1. Enforcement survey samples.
2. Preliminary survey samples.
3. Update survey samples, (improvement survey).
4. Intensive survey samples, (basin survey).

B. Species identification shall be to the taxonomic category of species or the next highest category based on available keys.

1. Intensive survey background samples.
2. Water Quality Primary Monitor Survey Samples.
3. Background survey samples.

C. Disposition of specimens shall be at the discretion of the collector, however, specimens retained need not be identifiable with a survey sampling area.

III. Classification of specimens shall follow the tolerance status listed in "Tolerance Status of Aquatic Macroinvertebrate Organisms Found in Illinois Waters", effective date, January, 1974.

IV. Data collection shall be for the purpose of scientific support for statements and consultations.

A. Specimens identified which have no established tolerance classification shall be saved for further study and consideration.

1. During the interim, they generally will be classed as other representatives of the genus or family.

2. Where the genus or family has representatives with conflicting tolerance status, the newly found species will be classed according to the station classification, e.g., if the station is balanced, the species is intolerant; if unbalanced or semi-polluted, the species is moderate; if the station is polluted, the species is tolerant. Beetles are facultative.

3. A file will be kept on the species for the purpose of establishing its tolerance status.

B. Sample records shall be kept and retained by the Aquatic Biologist as a permanent species collection record for the Agency.

Stream Environment:

I. Classification of environements shall be on the basis of identified specimens collected from the area sampled.

A. Each collection site or area shall be classified according to the "Stream Classification System", effective date, January 1, 1974.

B. Each stream segment sampled which is identifiable as such shall be classified according to zones.

II. Terrestrial environmental factors of the sample area shall be listed.

A. Man's influence on the environment.

1. Urban
2. Industrial
3. Bridge
4. Road
5. Farming activities
6. Other influencing factors

a. Tile Drain
b. Dam
c. Road drainage

7. Mining

B. Physiographic features of the sample area.

1. High bank
2. Low bank
3. Flood plain
4. Hills
5. Outcroppings

C. Other environmental factors.

1. Forest
2. Wood lot
3. Grassland

III. Aquatic environmental factors of the sample area shall be listed.

A. Stream flow data shall be determined as cubic feet per second.

B. General odor of the bottom materials shall be noted.

C. Chemical field determinations may be included.

1. Dissolved oxygen
2. pH
3. Temperature ^{o}F
4. Chlorine

D. Physical features of the stream.

1. Stream bed

a. Sand
b. Gravel
c. Rock
d. Intermixture
e. Soft mud
f. Clay
g. Sludge-like material

2. General features

a. Riffle
b. Pool
c. Log jam
d. Miscellaneous debris

Survey:

I. Enforcement surveys shall be conducted to determine environmental conditions upstream and downstream from suspected or known sources of pollution with particular attention to the length of stream affected and degree of degradation.

II. Preliminary surveys (same as I.).

III. Update or Improvement surveys (same as I.).

IV. Variance surveys (same a I.).

V. Intensive surveys (Basin Survey); shall be conducted to determine the areas of degradation associated with point source discharges and non-point sources of pollution. In addition, intensive surveys will include background stations which reflect environments unaffected by pollution when possible.

VI. Water quality primary monitoring surveys shall be conducted to monitor changes which may occur in environments as they relate to bacteriological and chemical characteristics. They also help to establish species range and diversity.

VII. Background surveys shall be conducted as needed to obtain data for specific assignments.

A. Establishment of new regulations.

B. Change in regulations.

C. Support data for preconstruction.

D. Research.

E. Special monitoring of areas from which no prior data is available.

F. Recording of species range and diversity.

G. Training

References:

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Pennak, Robert W., "Freshwater Invertebrates of the United States", The Ronald Press Company, New York, New York (1953).

IEPA, "Tolerance Status of Aquatic Macroinvertebrate Organisms Found in Illinois Waters", unpublished report, January, 1974.

IEPA, "Classification of Aquatic Environments", unpublished report, January, 1974.

FEPA, "Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents", edited by C. I. Weber, National Environmental Research Center, Cincinnati, July, 1973.

"Standard Methods for Analysis of Water and Wastewater", 13th edition.

APPENDIX E

INDEX TO STATION TYPES

The following sample type codes indicate the sampling frequencies at each of the IEPA water quality sampling stations in the Basin.

Sample Type	Frequency and Parameters
1	a) Monthly grab samples obtained at each of the IEPA water quality network stations were analyzed for temperature, dissolved oxygen, pH, ammonia nitrogen, nitrite-nitrate nitrogen, total phosphorus, and fecal coliform. b) Quarterly (one fourth of the monthly samples), the samples are also analyzed for arsenic, barium, boron, cadmium, hexavalent chromium, trivalent chromium, copper, cyanide, total iron, lead, manganese, mercury, nickel, selenium, silver, zinc, fluoride, chloride, sulfate, phenol, MBAS, and total dissolved solids.
2	Same as type 1 above only dissolved oxygen usually not run because samples are collected from intake pipes which are remote from the water source.
3	Two sets of samples are collected each month. Set #1 includes pH, total phosphorus, phenols, fecal coliform, ammonia nitrogen, nitrite-nitrate nitrogen, specific conductivity, fluoride, chloride, sulfate, MBAS, turbidity, color, plankton (total), gross alpha and beta radioactivity, hardness, alkalinity, and COD. Set #2 includes all parameters of Set #1 except gross alpha and beta radioactivity plus arsenic, barium, boron, cadmium, total chromium, copper, cyanide, total iron, lead, manganese, mercury, nickel, selenium, and zinc.
4	Biological monitoring was conducted at these stations during Fiscal Year 1975 and will be conducted at these stations in future years on a 4-5 year cycle.

FY '76 WATER QUALITY SAMPLING STATION NETWORK
ROCK RIVER BASIN

BASIN CODE	STATION NUMBER	STREAM NAME	STATION LOCATION DESCRIPTION	SAMPLE TYPE CODE
P	03	ROCK RIVER	RT 84 BR NR CARBON CLIFF	1
P	04	ROCK RIVER	RT 92 BR 2 MI E OF JOSLIN	1
P	06	ROCK RIVER	US 30 BR 2 MI W OF ROCK FALLS	1 + 4
P	07	ROCK RIVER	BYPASS 20 BR S EDGE ROCKFORD MID CH	1 + 4
P	08	ROCK RIVER	BYPASS 20 BR S EDGE ROCKFORD E CHAN	1 + 4
P	09	ROCK RIVER	STATE LINE BR AT BELOIT	1 + 4
P	10	ROCK RIVER	US 52-RT 6 BR AT DIXON	1 + 4
P	11	ROCK RIVER	RT 64 BR AT OREGON	1 + 4
P	12	ROCK RIVER	RT 78 BR 1 MI N OF PROPHETSTOWN	1
P	14	ROCK RIVER	RT 72 BR AT BYRON	1 + 4
P	15	ROCK RIVER	RT 75 BR AT ROCKTON	1
P	18	ROCK RIVER	RT 199 BR AT ROCK ISLAND	1
PB	01	GREEN RIVER	RT 84 BR .5 MI S OF GREEN ROCK	1
PB	02	GREEN RIVER	RT 88 BR 1 MI S OF DEER GROVE	1
PB	03	GREEN RIVER	CO RD BR 4 MI N OF ATKINSON	1
PBI	01	SPRING CREEK	US 6 BR 3.5 MI W OF ATKINSON	1
PE	05	ROCK CREEK	RT 2 BR 3 MI NE OF ERIE	1 + 4
PH	01	ELKHORN CREEK	RT 2 BR 5 MI SW OF STERLING	1
PJ	01	PINE CREEK	CO RD BR NRENTR TO WHITE PINE ST PK	1 + 4
PL	01	KYTE RIVER	CO RD BR .3 MI N OF DAYSVILLE	1 + 4
PL	02	KYTE RIVER	RT 38 BR 3 MI W OF ROCHELLE	1 + 4
PN	01	LEAF RIVER	RT 2 BR 4 MI SW OF BYRON	1
PQ	01	KISHWAUKEE RIVER	US 51 BR AT NEW MILFORD	1
PQ	02	KISHWAUKEE RIVER	PERRYVILLE RD BR NR S BRANCH JCT	1 + 4
PQ	09	KISHWAUKEE RIVER	RIVER RD BR 4 MI W OF BELVIDERE	1 + 4
PQ	10	KISHWAUKEE RIVER	CO RD BR .5 MI N OF GARDEN PRAIRIE	1
PQB	02	KILBUCK CREEK	US 51 BR 4 MI S OF ROCKFORD	1
PQC	02	S BR KISHWAUKEE R	RT 64 BR 1.5 MI W OF SYCAMORE	1 + 4
PQC	03	S BR KISHWAUKEE R	PERRYVILLE RD BR NR JCT W/KISHWAUKE	1
PQC	04	S BR KISHWAUKEE R	CO RD BR AT N EDGE OF KIRKLAND	1
PQC	05	S BR KISHWAUKEE R	TWP RD BR 2 MI WNW 2 MI N SYCAMORE	1 + 4
PQD	04	BEAVER CREEK	E-W CO RD BR 2 MI N 3 MI W BELVIDERE	1
PQD	05	PISCASAW CREEK	CO RD BR 1.5 MI N 2 MI E BELVIDERE	1

FY '76 WATER QUALITY SAMPLING STATION NETWORK
ROCK RIVER BASIN

BASIN CODE	STATION NUMBER	STREAM NAME	STATION LOCATION DESCRIPTION	SAMPLE TYPE CODE
PQF	06	COON CREEK	US 20 BR 2.5 MI E OF BELVIDERE	1
PW	01	PECATONICA RIVER	RT 75 BR AT HARRISON	1
PW	04	PECATONICA RIVER	RT 26 BR AT FREEPORT	1 + 4
PW	05	PECATONICA RIVER	RT 70 BR 11 MI NW OF ROCKFORD	1
PW	06	PECATONICA RIVER	CO RD BR 1 MI N OF RIDOTT	1
PW	07	PECATONICA RIVER	CO RD BR .5 MI E OF WINSLOW	1 + 4
PWB	02	SUGAR RIVER	TWP RD BR 2 MI W OF SHIRLAND	1 + 4
PWN	01	YELLOW CREEK	US 20 BR AT SE EDGE OF FREEPORT	1
PWP	01	RICHLAND CREEK	CO RD BR AT SCIOTO MILLS	1
PZX	01	I & M CANAL	CO RD BR 2 MI N OF ATKINSON	1
PZXA	01	I & M CANAL FEEDER	RT 92 BR 4 MI E OF YORKTOWN	1

State of Illinois

Environmental Protection Agency

PHASE I

of the

WATER QUALITY MANAGEMENT BASIN PLAN

for the

ROCK RIVER BASIN

Volume III

Discharge Information Sheets

Printed by the Authority of the State of Illinois

July 1, 1976

Organization of Volumes

Volume

I Existing Water Quality

This volume is the main document for the Phase I Plans. It contains the identification of water quality problems of the basin and sets forth an initial interim program to alleviate those problems. It has been arranged by chapters and includes Appendices C, D, and E.

II County Maps (Appendix A)

Discharge points of the wastewater treatment facilities within the basin have been provided on county maps with the related basin and segment lines shown. An additional set of county maps has been included to show the locations of the operating solid waste disposal sites, public water supply treatment facilities that discharge to surface waters and the associated surface water intakes, permitted feedlots, deep well disposal sites, and permitted mines in the basin. Additional information concerning each discharge may be found in Volume III.

III Discharge Information Sheets (Appendix B)

This volume contains a collection of information sheets including wastewater treatment facilities, permitted feedlots, public water supply facilities, deep well disposal sites, permitted mines, and operating solid waste disposal sites. An index to discharges within each county in the basin is provided. Locations of the discharges may be found on the maps in Volume II.

IV Facility Planning Area Maps (Appendix F)

Preliminary FPA boundaries are shown as delineated at this time within the basin. Each county map has been divided into a number of overlapping portions designated A, B, C, etc. and so labeled. The appropriate FPA and corresponding county map for a specific facility may be determined by referring to the information sheet found in Volume III.

APPENDIX B

DISCHARGE INFORMATION SHEETS

Significant data has been collected for all known wastewater treatment facility discharges. In addition, minimal pertinent data has also been accumulated for various other sources of wastewater including permitted feedlots, operating solid waste disposal sites, public water supply facilities that discharge to surface waters, deep well disposal sites, and operating coal mines. The organization of this data has been dependent on two information items: the name of the discharger and the location (segment) of the point of discharge.

Since some facilities are not located in the same segment or basin as the point of discharge, indexes covering entire counties are provided. The first index gives the appropriate basin and segment for each wastewater treatment facility. A similar index is composed of nonpoint sources of wastewater (mines, deep wells, landfills, feedlots, and water supplies). The corresponding data sheets for this basin (see Figure 1) follow each index and are arranged in alphabetical order by name within each segment.

All data has been presented on similar forms depending on the nature of the discharge. Figure 2 shows the predominant type of discharge information sheet used and an explanation of data items. Table 1 provides the coding used for the project description under the Grant Information heading.

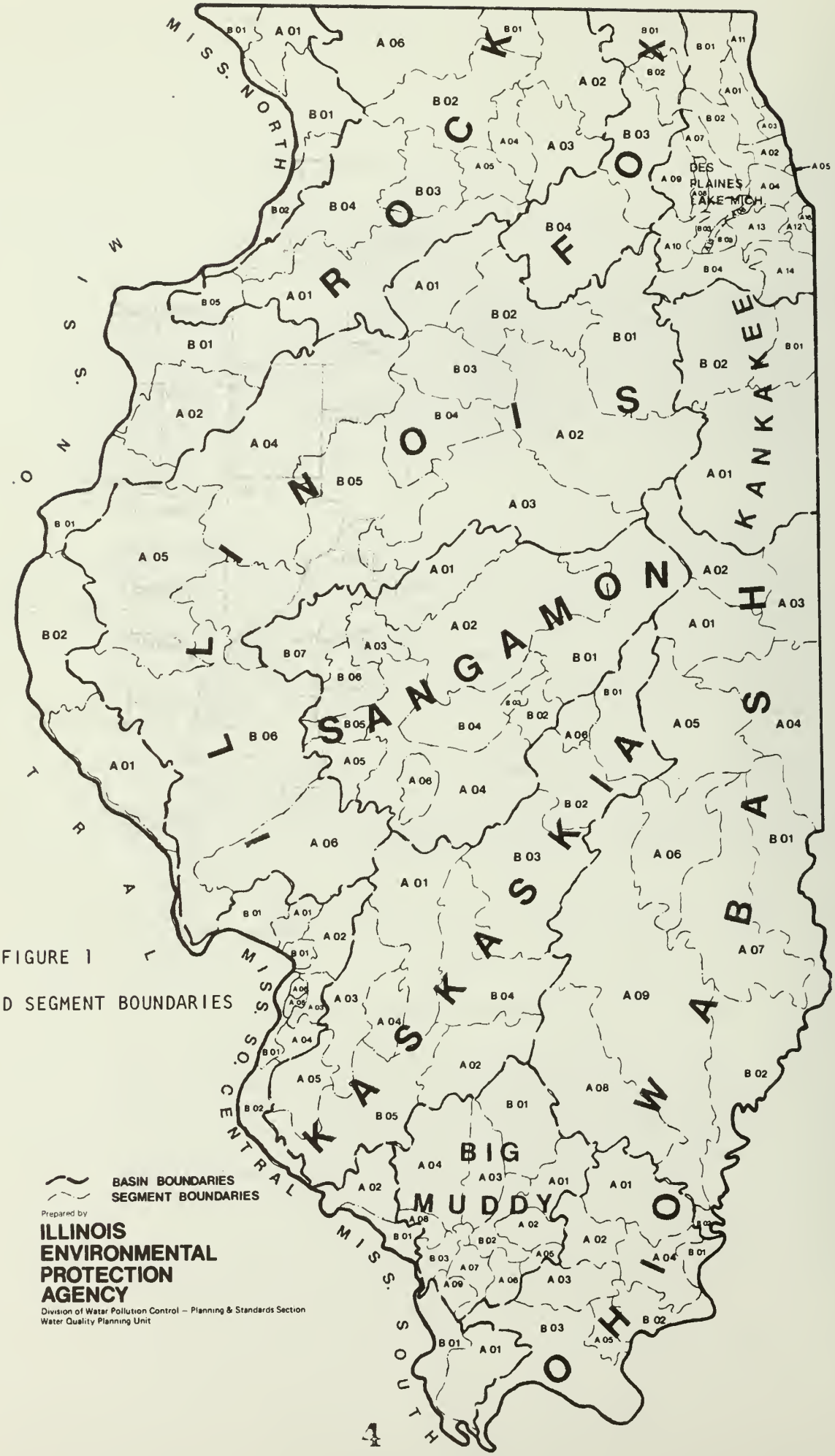


FIGURE 1

BASIN AND SEGMENT BOUNDARIES

FIGURE 2

POINT SOURCE INFORMATION

NAME: *Legal name of discharger*

MAP REFERENCE NO: *Refers to Map #1*
CONTROL NO: *
REGISTRATION NO: *
COUNTY:

BASIN:

SEGMENT:

RECEIVING STREAM: *The stream receiving the discharge plus those streams downstream from the discharge*

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): *From the IWS Low Flow maps (Bulletin 57)*

FACILITY INFORMATION

TREATMENT TYPE: *Description of treatment processes*

PRESENT EFFLUENT QUALITY (MG/L):

BOD	TSS	NH_3-N

Mean data for 1974 collected by IEPA

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:
Parameters in violation of the effluent standards in Chapter 3

DESIGN AVERAGE FLOW (MGD):
Average design capacity of the plant

AVERAGE FLOW (MGD):
Recent average flow values

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL *Permit number*
EFFECTIVE DATE:
INTERIM LIMIT. DATE: *Last day the interim limitations are effective*
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD	*As specified in the permit or by dilution ratios from Chapter 3*	
TSS		
F COLI/100 ML		
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: *Section 201 of PL 92-500*
208: *Section 208 of PL 92-500*

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: *For use with Volume IV*

COMPLIANCE SCHEDULE

Dates specified in the permit

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

Code is provided on Table 1

TOTAL COST:

Estimated cost for the project

PRIORITY RANK:

Relative position for the fiscal year in relation to funding

COMMENTS

**For internal use only*

OPERATOR CERTIFICATION

To be completed at a later date

PRESENT:

NEEDED:

TABLE 1

Project Description Codes

for

Construction Grant Project/Priority List

CODE	DESCRIPTION
0	None - Existing treatment and facility adequate.
1	Enlargement of existing treatment plant - additional capacity required; existing level of treatment unchanged.
2	Modification of existing treatment plant - improve plant operation or utilization; existing level of treatment and capacity unchanged.
10	Disinfection.
11	Nutrient removal.
18	Connection of facility to another system or plant.
20	Combined sewer overflow control (at plant).
21	Construction or improvement of interceptor sewer.
22	Construction or improvement of outfall.
35	Pretreatment (new plant).
36	Primary treatment (new plant).
37	Secondary treatment (new plant).
47	Upgrade primary plant to secondary plant.
38	Lagoons (new plant).
48	Upgrade existing lagoon to secondary or tertiary lagoon.
39	Tertiary treatment (new plant).
49	Upgrade existing primary or secondary plant to tertiary plant.
99	Other requirement not defined by code.

EXPLANATORY NOTE: If an odd number of digits occurs, the first digit should be taken singly, and additional digits taken pairwise left-to-right. If an even number of digits occurs, the digits should be taken pairwise left-to-right beginning with the first digit.

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN BOONE COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Bel-Rock Development	PQ 007 04	Rock	A-02	29
Belvidere Mobile Hm Pk	PQ 007 10	Rock	A-02	30
Belvidere STW	PQ 007 01	Rock	A-02	25
Caledonia Elem Sch	PZZI 007 01	Rock	B-02	1
Candlewick Lake Utility	PQD 007 04	Rock	A-02	32
Capron	PQD 007 03	Rock	A-02	20
Chrysler Corp STW	PQ 007 02	Rock	A-02	28
Dean Foods-Belvidere CWD	PQ 007 09	Rock	A-02	22
Dean Foods-Capron	PQE 007 01	Rock	A-02	19
Eden Fruit Co	PQD 007 01	Rock	A-02	31
Green Giant Belv-CWD 001	PQ 007 07	Rock	A-02	21
Green Giant Belv-CWD 002	PQ 007 13	Rock	A-02	21
Green Giant Belv-CWD 003	PQ 007 14	Rock	A-02	21
Ill Tollway Hwy-Belvidere	PQ 007 15	Rock	A-02	24
Ipsen Ind & Alco Std Co	PQ 007 11	Rock	A-02	35
Mid-West Tibon Plating	PQFA 007 01	Rock	A-02	23

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN BOONE COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Poplar Grove STW	PQD 007 02	Rock	A-02	13
Sunstrand Corp	PQ 007 06	Rock	A-02	26

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN BUREAU COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
DePue STW	DZZA 011 01	Illinois	B-02	42
Hen House Interstate, Inc.	D 011 07	Illinois	A-01	6
Illinois Industrial Rubbr CWD	DZO 011 01	Illinois	B-02	39
Ladd STW	DZP 011 01	Illinois	B-02	38
Lake Arispie Subd	DQ 011 01	Illinois	A-01	8
LaMoille STW	DQG 011 01	Illinois	A-01	1
Malden STW	DQA 011 --	Illinois	A-01	2
Maple Acres Tr Pk	DQE 011 02	Illinois	A-01	4
Mobil Chem Co. CWD-DePue	DZZA 011 02	Illinois	B-02	43
Phillips Joanna Ind	DZP 011 03	Illinois	B-02	36
Phillips Service Inc-STK	PBJA 011 01	Rock	A-01	6
Princeton STW	DQC 011 01	Illinois	A-01	3
Riviera Motel	DZO 011 --	Illinois	B-02	40
Spring Valley STW	D 011 02	Illinois	B-02	37
Tiskilwa STW	DQ 011 03	Illinois	A-01	9
Trans Dept I-80 RA	DQD 011 01	Illinois	A-01	5

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN BUREAU COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Walnut STW	PQB 011 01	Rock	A-01	5
Wyanet STW	DQDA 011 01	Illinois	A-01	7

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN CARROLL COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Burlington Northern Inc.	MJ 015 03	Mississippi North	B-01	17
Camp Merrill Benson STSF	MJB 015 02	Mississippi North	B-01	20
Chadwick STW	PE 015 01	Rock	B-04	17
Eaton Corp. Savanna 001	MJ 015 02	Mississippi North	B-01	15
Eaton Corp. Savanna 002	MJ 015 04	Mississippi North	B-01	15
Elkay Mfg-Lanark East	MJBA 015 01	Mississippi North	B-01	18
Elkay Mfg-Lanark South	MJBA 015 02	Mississippi North	B-01	18
Lake Carroll Project STW	MJCB 015 01	Mississippi North	B-01	13
Lanark STW	PE 015 02	Rock	B-04	18
MacLean-Fogg Lock Nut Co	M 015 06	Mississippi North	B-01	21
Milledgeville STW	PH 015 01	Rock	B-04	13
Miss. Palisades St Pk-STK	M 015 05	Mississippi North	B-01	11
Mt. Carroll STW	MJB 015 01	Mississippi North	B-01	19
Savanna STW	M 015 01	Mississippi North	B-01	14
Savanna U.S. Ordinance	M 015 02	Mississippi North	B-01	9

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN CARROLL COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Shannon STW	PWNB 015 01	Rock	A-06	14
Thomson STW	M 015 03	Mississippi North	B-01	22
Upper Miss Riv Eco-Center	ML 015 01	Mississippi North	B-01	10

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN DEKALB COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Anaconda Co-Sycamore	PQC 037 --	Rock	A-03	15
Country Gardens Subd-STK	PQCI 037 01	Rock	A-03	11
DeKalb Northlnd Shop Ctr	PQC 037 08	Rock	A-03	6
DeKalb SD-Country Club	PQC 037 06	Rock	A-03	8
DeKalb SD - Main	PQC 037 02	Rock	A-03	7
DeKalb SD South Slope	PQC 037 12	Rock	A-03	2
Del Monte - DeKalb CWD	PQC 037 20	Rock	A-03	3
Del Monte - DeKalb Process	PQC 037 09	Rock	A-03	3
Ellwood Greens Development	PQC 037 17	Rock	A-03	16
Evergreen MHP	PQCI 037 02	Rock	A-03	13
General Elec-DeKalb-CWD	PQC 037 19	Rock	A-03	5
Genoa North	PQC 037 01	Rock	A-03	17
Genoa STW West	PQC 037 01	Rock	A-03	18
Hinckley STW	DTCA 037 02	Fox	B-04	15
Kauffman H Turkey Farm	DTAB 037 01	Fox	B-04	34
Kirkland Scout Resvt E	PQC 037 15	Rock	A-03	21

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN DEKALB COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Kirkland Scout Resvt W	PQC 037 16	Rock	A-03	21
Kirkland STW	PQC 037 10	Rock	A-03	20
Kishwaukee Jr. College	PQBA 037 01	Rock	A-04	1
Larsen, AC Inc-001	PQC 037 --	Rock	A-03	4
Larsen, Elmer Inc-002	PQC 037 11	Rock	A-03	1
Notre Dame HS - DeKalb	PQC 037 04	Rock	A-03	1
Sandwich STW	DTCA 037 01	Fox	B-04	16
Shabbona STW	DTA 037 01	Fox	B-04	29
Sycamore-North Cross 003	PQCI 037 03	Rock	A-03	10
Sycamore SW Amcodyn 002	PQC 037 07	Rock	A-03	9
Sycamore SW-Suburbia 001	PQC 037 13	Rock	A-03	9
Walcamp Div-Lutheran Sch	PQC 037 05	Rock	A-03	19
Waterman STW	DTB 037 01	Fox	B-04	23

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN HENRY COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Alpha STW	LEG 073 01	Mississippi North Central	B-01	10
Annawan STW	PBJ 073 02	Rock	A-01	8
Atkinson STW	PB 073 02	Rock	A-01	10
Black Hawk College East	DJL 073 01	Illinois	A-04	11
Cambridge STW	PBI 073 01	Rock	A-01	11
Culligan Water-Kewanee	DJO 073 --	Illinois	A-04	2
Galva N STW	LFG 073 01	Mississippi North Central	B-01	7
Galva SW STW	DJKD 073 01	Illinois	A-04	14
Geneseo STW	PBE 073 01	Rock	A-01	13
Hillcrest STW West	PBI 073 03	Rock	A-01	12
Kershaw Trailer Park	P 073 01	Rock	B-04	27
Kewanee Boiler Corp-001	PBJD 073 01	Rock	A-01	7
Kewanee Boiler Corp-002	PBJD 073 02	Rock	A-01	7
Kewanee Machine-Conveyor	DJO 073 03	Illinois	A-04	1
Kewanee STW	DJO 073 01	Illinois	A-04	3
Midland Cntry Clb-Kewanee	DJLA 073 01	Illinois	A-04	10

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN HENRY COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Moline Consumer-Cleveland	P 073 02	Rock	B-04	24
Oakwood CCLB-Coal Valley	P 073 03	Rock	B-05	1
Orion STW	PBA 073 01	Rock	A-01	14
Stuckeys Shop	PBI 073 04	Rock	A-01	9
Woodhull STW North	LFF 073 02	Mississippi North Central	B-01	9
Woodhull STW South	LE 073 01	Mississippi North Central	B-01	8

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN KANE COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Amer Can Co Plas 001 Mfg	DT 089 26	Fox	B-03	40
Amer Can Co Plas 001 R&D	DT 089 37	Fox	B-03	40
Armour Dial Inc CWD	DTZY 089 01	Fox	B-03	53
Batavia STW	DT 089 01	Fox	B-03	39
Broadview Academy	DTD 089 04	Fox	B-04	8
Burd Ind	DT 089 49	Fox	B-03	33
Burgess Norton Plt 1-001	DT 089 38	Fox	B-03	36
Burgess Norton Plt 1-002	DT 089 39	Fox	B-03	36
Burgess Norton Plt 2-001	DTZL 089 06	Fox	B-03	43
Burlington Central HS	PQCG 089 03	Rock	A-03	14
Burlington No RR-EOLA 001	DTZK 089 02	Fox	B-03	50
Burlington No RR-EOLA 002	DTZK 089 04	Fox	B-03	50
Carpentersville Kimbal Hill	DT 089 29	Fox	B-03	5
Carpentersville Main STW	DT 089 02	Fox	B-03	8
Chicago Gravel-Elgin 001	DTG 089 01	Fox	B-03	18
Chicago Rawhide Co	DTZP 089 01	Fox	B-03	13

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN KANE COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Consol-Freightways Ind	DTE 089 01	Fox	B-03	61
Country Delight	PQF 089 02	Rock	A-02	1
Crichton W Dunde CWD 001	DT 089 51	Fox	B-03	9
Crichton W Dunde CWD 002	DT 089 55	Fox	B-03	9
Crichton W Dunde CWD 003	DT 089 56	Fox	B-03	9
DuKane Corporation 001	DT 089 15	Fox	B-03	32
East Dundee STW	DT 089 03	Fox	B-03	11
Elburn STW	DTCB 089 01	Fox	B-04	13
Elgin Est-Rollins S & W Co	DTFA 089 01	Fox	B-03	26
Elgin SD Main South	DT 089 04	Fox	B-03	15
Elgin SD North	DT 089 17	Fox	B-03	12
Elgin SD West	DT 089 08	Fox	B-03	19
Ferson Ck Utility Co	DTF 089 01	Fox	B-03	28
Geneva Motel	DT 089 27	Fox	B-03	37
Geneva STW	DT 089 05	Fox	B-03	35
Goodrich B F-St Charles	DT 089 36	Fox	B-03	30

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN KANE COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Hampshire	PQF 089 01	Rock	A-02	2
Hoffer Plast Plt 1 N CWD	DT 089 33	Fox	B-03	21
Hoffer Plast Plt 1 S CWD	DT 089 45	Fox	B-03	20
Hoffer Plast Plt 2 CWD	DT 089 34	Fox	B-03	22
Ill Tollway Bldg 6	PQF 089 03	Rock	A-02	3
Ill Youth Center-St Charles	DTZL 089 04	Fox	B-03	42
Kaneland High School	DTCD 089 01	Fox	B-04	12
Keene Corporation 001	DTZK 089 05	Fox	B-03	46
Kneip E. W. Inc-Elburn	DTCB 089 02	Fox	B-04	14
Lyon Metal Prod CWD 001	DTZZ 089 01	Fox	B-03	51
Lyon Metal Prod CWD 002	DTZZ 089 02	Fox	B-03	51
Lyon Metal Prod CWD 003	DTZZ 089 03	Fox	B-03	51
McWhorter Chem Div N CWD	DT 089 32	Fox	B-03	6
McWhorter Chem Div S CWD	DT 089 46	Fox	B-03	7
Marmion Military Academy	DT 089 20	Fox	B-03	44
Mercers Restaurant	DTD 089 03	Fox	B-04	9

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN KANE COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Moline Corporation 001	DT 089 22	Fox	B-03	29
Moline Corporation 002	DT 089 21	Fox	B-03	29
Mooseheart Child City	DT 089 13	Fox	B-03	48
National Elect E CWD 002	DTZL 089 07	Fox	B-03	41
National Elect STP 001	DTZL 089 05	Fox	B-03	41
National Elect W CWD 003	DTZL 089 08	Fox	B-03	41
Prestbury Utility Co 001	DTD 089 01	Fox	B-04	11
Prestbury Utility Co 002	DTD 089 05	Fox	B-04	11
Purex Corp-Batavia	DT 089 35	Fox	B-03	38
River Grange Estates	DT 089 31	Fox	B-03	27
St. Charles Mfg Co CWD 001	DT 089 43	Fox	B-03	31
St. Charles Mfg Co CWD 002	DT 089 41	Fox	B-03	31
St. Charles Skyline S & W	DTZN 089 01	Fox	B-03	25
St. Charles STW	DT 089 14	Fox	B-03	34
Sperry DR Company 001	DT 089 53	Fox	B-03	45
Sperry DR Company 002	DT 089 54	Fox	B-03	45

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN KANE COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Sugar Grove-Ridgewest STK	DT 089 30	Fox	B-04	17
Wabonsee Comm College	DTD 089 02	Fox	B-04	10
West Dundee STW	DT 089 09	Fox	B-03	10
Woodruff & Edwards Inc	DT 089 10	Fox	B-03	14

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN LEE COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Amboy STW	PB 103 01	Rock	A-01	3
Ashton STW	PL 103 02	Rock	A-05	8
Castellan Development	P 103 13	Rock	B-03	14
Commonw Ed-Dixon-001 CWD	P 103 08	Rock	B-03	11
Commonw Ed-Dixon-002 Dem	P 103 16	Rock	B-03	11
Commonw Ed-Dixon-002 San	P 103 14	Rock	B-03	11
Commonw Ed-Dixon-003 Ash	P 103 15	Rock	B-03	11
Dean Foods Co Amboy Co	PB 103 03	Rock	A-01	2
Dixon City Garage STSF	P 103 12	Rock	B-03	9
Dixon State Sch STW	P 103 03	Rock	B-03	7
Dixon STW	P 103 01	Rock	B-03	18
Franklin Grove SD	PK 103 01	Rock	B-03	6
Green Acres MHP	P 103 07	Rock	B-03	12
Green River Ind Park STW	PBSA 103 01	Rock	A-01	4
Medusa Cement CWD-002	P 103 09	Rock	B-03	8

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN LEE COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Medusa Cement CWD-003	P 103 10	Rock	B-03	8
Medusa Cement CWD-004	P 103 11	Rock	B-03	8
Medusa Cement STP-003A	P 103 02	Rock	B-03	8
Moore MHP	P 103 05	Rock	B-03	13
Nachusa Lutheran Home	PZR 103 01	Rock	B-03	10
Paw-Paw SD	DTAD 103 01	Fox	B-04	30
Sauk Valley College	P 103 06	Rock	B-03	15
Woodhaven Lakes STW	PB 103 02	Rock	A-01	1

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN MCHENRY COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Algonquin	DT 111 04	Fox	B-03	3
Aubrey Mfg Co	PQ 111 07	Rock	A-02	11
Big Foot Pkng Co-Harvard	PQEC 111 01	Rock	A-02	15
Branded Steak House STSF	DT 111 16	Fox	B-02	23
Camp Algonquin	DT 111 09	Fox	B-02	24
Cary STW	DT 111 06	Fox	B-02	22
Chromally - Starline	PQE 111 02	Rock	A-02	16
Crystal Lake Plants 1 & 2	DTZR 111 03	Fox	B-03	1
Crystal Lake Plant 3	DTZX 111 03	Fox	B-02	2
Dean Food Co - Chemung	PQE 111 01	Rock	A-02	18
Dean Food Co - Huntley	PQI 111 02	Rock	A-02	5
Dodge Trophies Inc	DT 111 05	Fox	B-02	25
Fox River Grove STW	DT 111 01	Fox	B-02	21
Fritzsche Estates	DTJ 111 01	Fox	B-01	35
Gordon Co-Richmond CWD	DTKA 111 06	Fox	B-01	29
Grays Lake Outdr Theater	DT 111 14	Fox	B-03	58

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN MCHENRY COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Greenwood Sch Dist 200	DTKB 111 04	Fox	B-01	20
Harvard STW	PQEA 111 01	Rock	A-02	17
Hebron Lagoons	DTKA 111 04	Fox	B-01	22
Hebron STW	DTKA 111 01	Fox	B-01	21
Huntley STW	PQI 111 03	Rock	A-02	4
Johnsburg Sch Dist 12 STSF	DT 111 15	Fox	B-01	28
Lake in the Hills SD	DTZR 111 02	Fox	B-03	2
Lake Manor Motel	DT 111 10	Fox	B-03	55
McGraw-Edison Co Algonquin	DTZR 111 04	Fox	B-03	4
McHenry STW	DT 111 03	Fox	B-01	34
Marengo STW	PQ 111 01	Rock	A-02	12
Modine Mfg Co	DTN 111 01	Fox	B-01	24
Morton Chem Co CWD	DTN 111 02	Fox	B-01	25
Morton Chem Co - STSF	DTN 111 03	Fox	B-01	25
Morton-Norwich Prod STSF	PQ 111 02	Rock	A-02	9
National North Wd Co STSF	DT 111 17	Fox	B-02	28
Oakbrook Estates MHP	DT 111 11	Fox	B-02	27

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN MCHENRY COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Pistakee Bay Nursing Home	DTQ 111 01	Fox	B-01	26
Plum Tree Natl Golf Club	PQJ 111 01	Rock	A-02	14
Prairie Grove Sch Dist 46	DTZR 111 01	Fox	B-02	29
Repco Enterprises	DTKA 111 07	Fox	B-01	30
Richmond STW	DTKA 111 02	Fox	B-01	23
Riley Comm Sch Dist 18 STSF	PQF 111 01	Rock	A-02	7
Seafarer Planned Unit Dev	DT 111 18	Fox	B-01	31
Shagbark STW-Alden	DTK 111 01	Fox	B-01	16
Sun Electric Corp	DT 111 08	Fox	B-02	6
T-C Ind Inc CWD East 001	DTZX 111 01	Fox	B-02	3
T-C Ind Inc CWD West 002	DTZX 111 04	Fox	B-02	3
Terra Cotta Realty Co	DTZX 111 02	Fox	B-02	4
Turnberry Util Co	PQ 111 06	Rock	A-02	8
Union Special Co - Huntley	PQI 111 05	Rock	A-02	6
Valley High Nursing Home	DTKB 111 03	Fox	B-01	17
Wallens Harry Subd	DT 111 12	Fox	B-02	8

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN MCHENRY COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Woodstock Die Cast 001	DTKB 111 02	Fox	B-01	18
Woodstock Die Cast 002	DTKB 111 05	Fox	B-01	18
Woodstock North	DTKB 111 01	Fox	B-01	19
Woodstock South	PQ 111 04	Rock	A-02	10
Zelke Restaurant STSF	DT 111 13	Fox	B-01	27

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN OGLE COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
American Oil Co-Rochelle	PL 141 07	Rock	A-05	2
Byron STW	P 141 01	Rock	B-02	24
Carnation Co-Oregon CWD	P 141 08	Rock	B-02	36
Commonw Ed-Byron Nuclear	PZZB 141 --	Rock	B-02	31
Dean Dye Apts-STK	P 141 06	Rock	B-02	34
Del Monte-Rochelle-Process	PL 141 03	Rock	A-05	4
Del Monte-Rochelle-109 CWD	PL 141 09	Rock	A-05	4
Del Monte-Rochelle-110 CWD	PL 141 10	Rock	A-05	4
E. D. Etnyre Co.	PL 141 08	Rock	A-05	9
Eaton Corp-Rochelle CWD	PL 141 04	Rock	A-05	1
Forreston STW	PN 141 01	Rock	B-02	28
Kable Printing Co.	PJ 141 03	Rock	B-03	3
Leaf River STW	PN 141 02	Rock	B-02	30
Maxson Manor Rest-STK	P 141 07	Rock	B-02	32
Monroe Center STW	PQB 141 01	Rock	A-04	2
Mt. Morris STW	PJ 141 01	Rock	B-03	2

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN OGLE COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Newlanding Utility Inc.	PZU 141 01	Rock	B-03	1
NIU-Lorado Taft STW	P 141 04	Rock	B-02	33
Oregon STW	P 141 02	Rock	B-02	35
Polo STW	PHE 141 01	Rock	B-04	12
Quality Metal Finishing	P 141 05	Rock	B-02	26
Rochelle STW	PL 141 02	Rock	A-05	3
Rolling Greens Est-SSD	PL 141 12	Rock	A-05	6
Rolling Meadows MHP	PQB 141 02	Rock	A-04	3
Rudes Custom Butchering	PJA 141 01	Rock	B-03	4
Shangri-la Mobile Home	PL 141 06	Rock	A-05	7
Stillman Valley STW	PP 141 01	Rock	B-02	25
Stokely-Rochelle	PL 141 05	Rock	A-05	5
White Pines State Park	PJ 141 02	Rock	B-03	5

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN ROCK ISLAND COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Airview MHP	PZA 161 01	Rock	B-05	8
Allied Stone Co-Milan	P 161 11	Rock	B-05	15
Ametek Inc-East Moline	M 161 25	Mississippi North	B-02	14
Andalusia STW	L 161 02	Mississippi North Central	B-01	3
Bridgelane Tr. Ct.	P 161 04	Rock	B-05	6
Case JI-Rock Is-CWD 001	M 161 07	Mississippi North	B-02	26
Case JI-Rock Is-STM 002	M 161 39	Mississippi North	B-02	26
Chicago, R I & P RR-Silvis	MB 161 01	Mississippi North	B-02	15
Coal Valley STW	PZC 161 01	Rock	B-05	2
Commonw Ed-Cordova-001	M 161 05	Mississippi North	B-02	6
Commonw Ed-Cordova-002	M 161 32	Mississippi North	B-02	6
Commonw Ed-Cordova-003	M 161 33	Mississippi North	B-02	6
Commonw Ed-Cordova-004	M 161 34	Mississippi North	B-02	6
Commonw Ed-Cordova-005	M 161 06	Mississippi North	B-02	5
Cordova STW	M 161 08	Mississippi North	B-02	7
Deere & Co Technical Ctr	M 161 35	Mississippi North	B-02	17

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN ROCK ISLAND COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Deere-Harvester Sed-Flo	M 161 23	Mississippi North	B-02	13
Deere Plow-Planter 001	M 161 09	Mississippi North	B-02	13
Deere Plow-Planter 002	M 161 36	Mississippi North	B-02	13
Deere Plow-Planter 003	M 161 37	Mississippi North	B-02	13
Deere-Silvis Fndry-Clari	MB 161 02	Mississippi North	B-02	13
Deere-Silvis Fndry-Pond	MB 161 04	Mississippi North	B-02	13
Deere-Silvis Fndry-Separ	MB 161 03	Mississippi North	B-02	13
East Moline STW	M 161 01	Mississippi North	B-02	11
Frank Foundries Corp 002	M 161 28	Mississippi North	B-02	18
Frank Foundries Corp 003	M 161 29	Mississippi North	B-02	18
Frank Foundries Corp 005	M 161 30	Mississippi North	B-02	18
Frank Foundries Corp 007	M 161 31	Mississippi North	B-02	18
Harold's Restaurant	P 161 10	Rock	B-05	5
Hillsdale SD	PD 161 01	Rock	B-04	21
Illini Beef Packers Inc.	P 161 08	Rock	B-04	23
Internatl Harv-Em Stor T	M 161 13	Mississippi North	B-02	16

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN ROCK ISLAND COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Internatl Harv-Em WWTP	M 161 02	Mississippi North	B-02	16
Intl Harv Farmall-RI-001	M 161 40	Mississippi North	B-02	22
Intl Harv Farmall-RI-003	M 161 41	Mississippi North	B-02	22
Intl Harv Farmall-RI-004	M 161 42	Mississippi North	B-02	22
Intl Harv Farmall-RI-006	M 161 43	Mississippi North	B-02	22
Intl Harv Farmall-RI-007	M 161 44	Mississippi North	B-02	22
Intl Harv Farmall-RI-009	M 161 45	Mississippi North	B-02	22
Intl Harv Farmall-RI-011	M 161 46	Mississippi North	B-02	22
Iowa-Ill Gas & Elect 001	MA 161 01	Mississippi North	B-02	21
Iowa-Ill Gas & Elect 002	MA 161 07	Mississippi North	B-02	21
Iowa-Ill Gas & Elect 003	MA 161 08	Mississippi North	B-02	21
Iowa-Ill Gas & Elect 004	MA 161 09	Mississippi North	B-02	21
Iowa-Ill Gas & Elect 005	MA 161 10	Mississippi North	B-02	21
Iowa-Ill Gas & Elect 006	MA 161 11	Mississippi North	B-02	21
Iowa-Ill Gas & Elect 007	MA 161 12	Mississippi North	B-02	21
Iowa-Ill Gas & Elect 008	MA 161 13	Mississippi North	B-02	21

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN ROCK ISLAND COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Iowa-Ill Gas & Elect 009	MA 161 14	Mississippi North	B-02	21
Iowa-Ill Gas & Elect 010	MA 161 15	Mississippi North	B-02	21
Iowa-Ill Gas & Elect 011	MA 161 16	Mississippi North	B-02	21
Land O Lakes-CWD-Rock Is	M 161 26	Mississippi North	B-02	25
Loud Thunder 2 - STSF	L 161 --	Mississippi North Central	B-01	27
McLaughlin Body Company	M 161 38	Mississippi North	B-02	23
Milan STW	LI 161 02	Mississippi North Central	B-01	1
Mill Creek Country Club	PA 161 04	Rock	B-05	11
Mobet Meadows Tr Pk	PZD 161 01	Rock	B-04	25
Moline STW South Slope	P 161 01	Rock	B-05	4
Moline STW #2 North Slope	MA 161 01	Mississippi North	B-02	20
Namequa Lodge STW	P 161 09	Rock	B-05	3
Oak Glen Nursing Home	PZA 161 04	Rock	B-05	9
Oak Grove Tr Pk	PA 161 02	Rock	B-05	13
Paradise Manor	PZA 161 02	Rock	B-05	10
Port Byron STW	M 161 04	Mississippi North	B-02	8

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN ROCK ISLAND COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Quad City Airport	PZB 161 01	Rock	B-05	7
Reynolds STW	PA 161 03	Rock	B-05	16
Ridgewood Water Service	LIC 161 --	Mississippi North Central	B-01	26
Riverdale HS 100	PZG 161 --	Rock	B-04	22
Rock Is Ar Proving Grnds	M 161 18	Mississippi North	B-02	19
Rock Is Ar Small Arms	M 161 17	Mississippi North	B-02	19
Rock Island Main	M 161 24	Mississippi North	B-02	27
Rock Island SW Area	LIB 161 01	Mississippi North Central	B-01	2
Rockridge High School	L 161 04	Mississippi North Central	B-01	5
Scenic Overlook-Rt. 80 RI	M 161 03	Mississippi North	B-02	10
Siba Inc-Woodland Pk MHP	PA 161 01	Rock	B-05	12
Silvis STW	P 161 02	Rock	B-04	26
Standard Oil-Rapid City	M 161 10	Mississippi North	B-02	9
Terminal Freezers Inc.	MA 161 03	Mississippi North	B-02	24
Three M Co. Cordova	M 161 11	Mississippi North	B-02	4

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN ROCK ISLAND COUNTY AS SHOWN ON MAP 1

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Valley Friends Land STK	L 161 05	Mississippi North Central	B-01	4
Valspar Corp. E Molin CWD	MB 161 05	Mississippi North	B-02	12

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN STEPHENSON COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Afolkey Cheese Co-op	PWPA 177 01	Rock	A-06	5
Boulder Hill MHP-Freeport	PWNA 177 01	Rock	A-06	20
Brush Creek Cheese	PWPB 177 01	Rock	A-06	4
Cedarville STW	PWPA 177 02	Rock	A-06	6
Dakota STW	PWL 177 01	Rock	A-06	24
Excelsior Cheese	PWQ 177 04	Rock	A-06	8
Freeport Blacktop Const.	PWN 177 06	Rock	A-06	21
Freeport STW	PW 177 01	Rock	A-06	17
German Valley STW	PNA 177 01	Rock	B-02	29
Highway Coop Cheese Plant	PWL 177 02	Rock	A-06	23
Ill. Ctl. Gulf RR - Freeport	PW 177 02	Rock	A-06	15
Kelly Spfld. Tire Co. DOM	PWM 177 01	Rock	A-06	22
Kelly Spfld. Tire TEMP	PWM 177 06	Rock	A-06	22
Kent Cheese Co-001	PWN 177 03	Rock	A-06	11
Kent Cheese Co-002 CWD	PWN 177 02	Rock	A-06	11
King Seeley Thermos-001	PW 177 10	Rock	A-06	16

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN STEPHENSON COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
King Seeley Thermos-002	PW 177 12	Rock	A-06	16
Lake-Le Aqua-Na St. Pk	PWQ 177 03	Rock	A-06	7
Lena STW	PWN 177 01	Rock	A-06	9
Modern Plating Corp	PW 177 03	Rock	A-06	18
Northern Hills Subd.	PW 177 09	Rock	A-06	19
Orangeville STW	PWP 177 03	Rock	A-06	2
Pearl City - Lagoon	PWN 177 04	Rock	A-06	12
Pleasant Hill Cheese	PWPB 177 02	Rock	A-06	3
Pleasant View Dairy	PWI 177 01	Rock	A-06	25
Rock City STW	PWI 177 03	Rock	A-06	26
Spring Brook Cheese	PWBA 177 01	Rock	A-06	27
Stephenson Mobile Home	PWO 177 01	Rock	A-06	13
Winslow STW	PW 177 11	Rock	A-06	1

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN WHITESIDE COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
A & W Rootbeer STK-Sterling	P 195 16	Rock	B-04	9
Agrico Chem Co-Fulton	M 195 03	Mississippi North	B-02	2
Albany SD	M 195 01	Mississippi North	B-02	3
Country Acres Tr. Park	PZP 195 01	Rock	B-04	8
Erie STW	P 195 04	Rock	B-04	20
Frantz Mfg. Co.	PH 195 01	Rock	B-04	10
Fulton STW	M 195 02	Mississippi North	B-02	1
Larson Chas. Mfg. Co.	P 195 17	Rock	B-03	16
Lawrence Park	P 195 13	Rock	B-04	7
Mid America Protein	P 195 05	Rock	B-04	11
Morrison STW	PE 195 01	Rock	B-04	19
NW Steel-Wire East 002	P 195 08	Rock	B-04	5
NW Steel-Wire West 003	P 195 18	Rock	B-04	5
NW Steel-Wire West 007	P 195 21	Rock	B-04	5
NW Steel-Wire Bkwsh 008	P 195 20	Rock	B-04	5
Prophetstown STW	P 195 03	Rock	B-04	16
Riverside Mobile	P 195 02	Rock	B-04	6

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN WHITESIDE COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Rock Falls STW	P 195 02	Rock	B-04	3
Sinnissippi Park STW	P 195 14	Rock	B-04	2
Sterling STW	P 195 01	Rock	B-04	4
Tampico STW	PFC 195 01	Rock	B-04	15
Whiteside Co Airport	P 195 07	Rock	B-04	14
Woodlawn Sch Dist 5-STK	P 195 15	Rock	B-04	1

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN WINNEBAGO COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Amerock Corp-Rockford CWD	PS 201 02	Rock	B-02	7
Atwood Park Lodge-STK	PQ 201 05	Rock	A-04	4
Barber-Colman Loves Pk 001	P 201 17	Rock	B-02	4
Barber-Colman Loves Pk 002	P 201 34	Rock	B-02	4
Barber-Colman Loves Pk 003	P 201 35	Rock	B-02	4
Barber-Colman-Rockford CWD	P 201 16	Rock	B-02	17
Barnes John S Corp-CWD	P 201 30	Rock	B-02	18
Bartels Gordon Co-CWD	P 201 01	Rock	B-02	19
Borg Warner-Rockford CWD	P 201 15	Rock	B-02	12
Cherry Valley STW	PQ 201 02	Rock	A-02	36
Commonw Ed-Saybrooke OF 002	P 201 09	Rock	B-02	20
Commonw Ed-Saybrooke OF 004	P 201 10	Rock	B-02	20
Commonw Ed-Saybrooke OF 005	P 201 11	Rock	B-02	20
Dean Food-Pecatonica CWD	PW 201 04	Rock	A-06	30
Dean Food Co-Rockford	PS 201 03	Rock	B-02	10
Durand SD	PWBA 201 01	Rock	A-06	29

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN WINNEBAGO COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Gem Suburban Inc.	P 201 05	Rock	B-02	23
Gummow Farm Dairy-Rocktn	PW 201 02	Rock	A-06	33
Ingersoll Mill Mach.-CWD	P 201 12	Rock	B-02	6
Interstate Inn Rockford	PQ 201 04	Rock	A-02	33
Iron Oaks Subdivision	PQ 201 03	Rock	A-02	34
Lake Summerset Subd STW	PW3A 201 02	Rock	A-06	28
Ledges Country Club Lot 5	PT 201 01	Rock	B-01	5
Pecatonica STW	PW 201 01	Rock	A-06	31
Pierce Chem. Co-001 CWD	PSB 201 02	Rock	B-02	8
Pierce Chem. Co-002 PWD	PSB 201 05	Rock	B-02	8
Progressive Steel-CWD	P 201 22	Rock	B-02	3
Quaker Oats CWD-Rockford	P 201 13	Rock	B-02	22
Quaker Oats PWD-Rockford	P 201 14	Rock	B-02	22
Rock Cut State Park STW	PZZI 201 01	Rock	B-02	2
Rockford Bakeries CWD	P 201 23	Rock	B-02	15
Rockford Baptist HS-STK	PSA 201 02	Rock	B-02	9

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN WINNEBAGO COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Rockford Newspaper Inc. CW-001	P 201 20	Rock	B-02	14
Rockford Newspaper Inc. CW-002	P 201 32	Rock	B-02	14
Rockford Newspaper Inc. CW-003	P 201 33	Rock	B-02	14
Rockford S.D.	P 201 02	Rock	B-02	21
Rockton SD	P 201 03	Rock	B-01	3
Seward S.D.	PO 201 01	Rock	B-02	27
Smith Oil Co. - Rockford	PSB 201 03	Rock	B-02	11
Sonoco Prod-Rockton	P 201 06	Rock	B-01	2
South Beloit STW	P 201 04	Rock	B-01	1
Sun Heat Treating-Rockford	PSA 201 01	Rock	B-02	13
Twin Disc. Inc. CWD 001	PS 201 01	Rock	B-02	37
Twin Disc. Inc. CWD 002	PS 201 04	Rock	B-02	37
Twin Disc. Inc. CWD 003	PS 201 05	Rock	B-02	37
Valspar Corp-Rockford CWD	P 201 18	Rock	B-02	16
Warner Elec Brake-001	PU 201 01	Rock	B-01	4
Warner Elec Brake-001A	PU 201 --	Rock	B-01	4

WASTEWATER TREATMENT FACILITIES AND MONITORING STATIONS IN WINNEBAGO COUNTY AS SHOWN ON MAP I

Wastewater Treatment Facility Discharges

Name	Registration No.	Basin	Segment	Map No.
Warner Elec Brake 001B	PU 201 --	Rock	B-01	4
Warner-Lambert Co.	P 201 07	Rock	B-02	5
Winnebago STW	PWF 201 01	Rock	A-06	32

POINT SOURCE INFORMATION

NAME Amboy STW

MAP REFERENCE NO: 3
CONTROL NO: 6027
REGISTRATION NO: PB 103 01
COUNTY: Lee

BASIN: Rock

SEGMENT: A-01

RECEIVING STREAM: Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 4.9

FACILITY INFORMATION

TREATMENT TYPE: 3-cell lagoon

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .56

AVERAGE FLOW (MGD): 0.40

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0027472
EFFECTIVE DATE: 1/17/75
INTERIM LIMIT. DATE: 10/1/76
EXPIRATION DATE: 5/31/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	65	30
TSS (mg/l)	30	30
F COLI/100 ML		200
NH_3-N	Rule 203(f)	

PLANNING AREAS

PLANNING AREA
201: Amboy FPA
208:

DESIGNATED LEAD AGENCY (201): Amboy

FPA MAP REFERENCE: Lee B

COMPLIANCE SCHEDULE

Prelim. Plans	1/31/75
Final Plans	4/15/75
Begin Const.	7/31/75
Comp. Const.	8/31/76
Op. Level	9/30/76

GRANT INFORMATION

PROJECT DESCRIPTION: 49102022

PROJECT NO: C17 1327

TOTAL COST: $544,000

PRIORITY RANK: FY'76 1

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Annawan STW

MAP REFERENCE NO: 8
CONTROL NO: 5022
REGISTRATION NO: PBJ 073 02
COUNTY: Henry

BASIN: Rock
SEGMENT: A-01

RECEIVING STREAM: Mud Ck. East to Green R. to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.16

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		Rule 203(f)

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
481023	C17 1306
22	C17 1755

TOTAL COST:	PRIORITY RANK:
$465,000	FY'76 594
943,000	FY'76 1140

COMMENTS

Lagoon exemption granted 2/8/73

New sewer system & treatment project not an existing discharge

Under construction

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Atkinson STW

MAP REFERENCE NO: 10
CONTROL NO: 5034
REGISTRATION NO: PB 073 02
COUNTY: Henry

BASIN: Rock

SEGMENT: A-01

RECEIVING STREAM: Drainage ditch to Green River to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 6-cell lagoon
3-aerated
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.16

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0036749
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 1/1/79

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Atkinson FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Henry B

COMMENTS

Lagoon exemption granted 10/28/74

GRANT INFORMATION

PROJECT DESCRIPTION: 481023

PROJECT NO: C17 0617

TOTAL COST: $203,600

PRIORITY RANK: FY'76 0581

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Cambridge STW

MAP REFERENCE NO: 11 BASIN: Rock
CONTROL NO: 5081
REGISTRATION NO: PBI 073 01
COUNTY: Henry SEGMENT: A-01

RECEIVING STREAM: Unnamed ditch to Spring Ck. to Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Trickling filter

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	230	110	36.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.16

AVERAGE FLOW (MGD): 0.2

SEWER TYPE: Separate

OVERFLOW FREQUENCY: During wet weather

PERMIT INFORMATION

NPDES #IL 0021296
EFFECTIVE DATE: 7/23/75
INTERIM LIMIT. DATE: *
EXPIRATION DATE: 2/28/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	60	4
TSS (mg/l)	60	5
F COLI/100 ML		200
NH_3-N		Rule 203(f)

PLANNING AREAS

PLANNING AREA
201: Cambridge FPA
208:

DESIGNATED LEAD AGENCY (201): Cambridge

FPA MAP REFERENCE: Henry A

COMPLIANCE SCHEDULE

Final Plans 12 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 24 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
38102123	C17 1328
22	C17 1328

TOTAL COST:	PRIORITY RANK:
$927,300	FY'76 65
112,700	FY'76 741

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Dean Foods Co - Amboy

MAP REFERENCE NO: 2
CONTROL NO: 6068
REGISTRATION NO: PB 103 03
COUNTY: Lee

BASIN: Rock
SEGMENT: A-01

RECEIVING STREAM: Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 4.9

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.150

AVERAGE FLOW (MGD): 0.120

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0036587
EFFECTIVE DATE: 4/13/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 7/1/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203(i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Amboy FPA
208:

DESIGNATED LEAD AGENCY (201): Amboy

FPA MAP REFERENCE: Lee B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Cooling water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Geneseo STW

MAP REFERENCE NO: 13
CONTROL NO: 5186
REGISTRATION NO: PBE 073 01
COUNTY: Henry

BASIN: Rock

SEGMENT: A-01

RECEIVING STREAM: Geneseo Ck. to Green River to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Trickling filter
Polishing ponds
Chlorination
Sludge beds

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	14	23	5.8

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 1.5

AVERAGE FLOW (MGD): 1.0

SEWER TYPE: Separate and combined

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0021814
EFFECTIVE DATE: 4/27/75
INTERIM LIMIT. DATE: *
EXPIRATION DATE: 3/1/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	15	4
TSS (mg/l)	20	5
F COLI/100 ML	200	200
NH_3-N		Rule 203(f)

PLANNING AREAS

PLANNING AREA
201: Geneseo FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Henry A

COMPLIANCE SCHEDULE

Final Plans 3 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 10 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: 22

PROJECT NO: C17 2010

TOTAL COST: $18,000

PRIORITY RANK: FY'76 1039

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Green River Ind Park STW

MAP REFERENCE NO: 4
CONTROL NO: 6201
REGISTRATION NO: PBSA 103 01
COUNTY: Lee

BASIN: Rock
SEGMENT: A-01

RECEIVING STREAM: Main ditch to Winnebago ditch to Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Polishing lagoon
Rock filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .084

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0048003 Draft
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		10
TSS (mg/l)		12
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Pfeffer exemption granted 7/15/75

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Hillcrest STW West

MAP REFERENCE NO: 12
CONTROL NO: 5212
REGISTRATION NO: PBI 073 03
COUNTY: Henry

BASIN: Rock
SEGMENT: A-01

RECEIVING STREAM: Unnamed trib. to Spring Ck. trib. to Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
Polishing lagoons
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	50	47	5.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): .023

AVERAGE FLOW (MGD): .018

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Henry A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Kewanee Boiler Corp - 001
MAP REFERENCE NO: 7
BASIN: Rock
CONTROL NO: 5251
REGISTRATION NO: PBJD 073 01
COUNTY: Henry
SEGMENT: A-01

RECEIVING STREAM: Storm sewers to Walker Ck. to Mud Ck. to Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

PERMIT INFORMATION

NPDES #IL 0003701
EFFECTIVE DATE: 4/15/75
INTERIM LIMIT. DATE: 7/30/76
EXPIRATION DATE: 10/31/78

EFFLUENT LIMITATIONS:

001	INTERIM	FINAL
BOD		
TSS (mg/l)	100(DA)	15(DM)
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)	10	10
Cr (tot) (mg/l)		1.0(DM)
Cr (hex) (mg/l)		.3(DM)
Zinc (mg/l)		1.0(DM)

COMPLIANCE SCHEDULE

Final Plans	7/31/75
Begin Const.	9/30/75
Comp. Const.	5/31/76
Op. Level	6/1/76

COMMENTS

001 - re-cycled air compressor and boiler test water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Kewanee Boiler Corp - 002 MAP REFERENCE NO: 7 BASIN: Rock
CONTROL NO: 5251
REGISTRATION NO: PBJD 073 02
COUNTY: Henry SEGMENT: A-01

RECEIVING STREAM: Storm sewers to Walker Ck. to Mud Ck. to Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Holding pond

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .035

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003701
EFFECTIVE DATE: 4/15/75
INTERIM LIMIT. DATE: 5/30/76
EXPIRATION DATE: 10/31/78

EFFLUENT LIMITATIONS:

002

	INTERIM	FINAL
BOD		
TSS (mg/l)	60(DA)	15(DM)
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)	10	10

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

COMPLIANCE SCHEDULE

Final Plans	7/31/75
Begin Const.	9/30/75
Comp. Const.	5/31/76
Op. Level	6/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

002 - boiler test water

Pond discharged once a year

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Orion STW

MAP REFERENCE NO: 14
CONTROL NO: 5333
REGISTRATION NO: PBA 073 01
COUNTY: Henry

BASIN: Rock
SEGMENT: A-01

RECEIVING STREAM: Mosquito Ck. to Green River to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	140	130	9.81

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.2

AVERAGE FLOW (MGD): .185

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0024988
EFFECTIVE DATE: 6/18/75
INTERIM LIMIT. DATE: 4/30/77
EXPIRATION DATE: 6/30/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	30	10
TSS (mg/1)	40	12
F COLI/100 ML	200	200
NH_3-N		Rule 203(f)

PLANNING AREAS

PLANNING AREA
201: Orion FPA
208:

DESIGNATED LEAD AGENCY (201): Orion

FPA MAP REFERENCE: Henry A

COMPLIANCE SCHEDULE

Begin Const.	9/15/75
Comp. Const.	2/1/77
Op. Level	3/1/77

GRANT INFORMATION

PROJECT DESCRIPTION: 4910

PROJECT NO: C17 1112

TOTAL COST: $715,000

PRIORITY RANK: FY'76 84

COMMENTS

Pfeffer exemption granted 3/6/73

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Phillips Service Inc-STK

MAP REFERENCE NO: 6
CONTROL NO: 5348
REGISTRATION NO: PBJA 011 01
COUNTY: Bureau

BASIN: Rock
SEGMENT: A-01

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, tile field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sheffield FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Bureau A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No surface discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Stuckeys Shop

MAP REFERENCE NO: 9
CONTROL NO: 5404
REGISTRATION NO: PBI 073 04
COUNTY: Henry

BASIN: Rock
SEGMENT: A-01

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, tile field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.002

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Atkinson FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Henry B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No surface discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Walnut STW

MAP REFERENCE NO: 5 BASIN: Rock
CONTROL NO: 5439
REGISTRATION NO: PBQ 011 01
COUNTY: Bureau SEGMENT: A-01

RECEIVING STREAM: Walnut Ck. trib. to Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	5	13	4.6

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.215

AVERAGE FLOW (MGD): 0.16

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		Rule 203(f)

PLANNING AREAS

PLANNING AREA
201: Walnut FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Bureau B

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: 4821

PROJECT NO: C17 1171

TOTAL COST: $135,000

PRIORITY RANK: FY'76 589

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Woodhaven Lakes STW

MAP REFERENCE NO: 1
CONTROL NO: 6459
REGISTRATION NO: PB 103 02
COUNTY: Lee

BASIN: Rock

SEGMENT: A-01

RECEIVING STREAM: Unnamed trib. to Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Sand filters
Sludge beds
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .1

AVERAGE FLOW (MGD): .015 (weekends)

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0045543
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/7°

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sublette FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee B

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

Recreational development

Pfeffer exemption granted 8/1/75 for 10/12

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Aubrey Mfg. Co

MAP REFERENCE NO: 11
CONTROL NO: 7809
REGISTRATION NO: PQ 111 07
COUNTY: McHenry

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Unnamed ditch trib. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Chemical precipitation with chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.007

AVERAGE FLOW (MGD): 0.005

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0038121
EFFECTIVE DATE: 7/27/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 4/30/80

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		
Cn (mg/l)		.25 (DM)
Iron (tot)(mg/l)		2.0 (DM)
Copper (tot)(mg/l)		1.0 (DM)
Arsenic (mg/l)		.25 (DM)
Zinc (mg/l)		1.0 (DM)
Temp		Rule 203(i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Marengo FPA
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Manufacture of ventilation equipment (SIC 3444, 3471, 3479, 3079)

Sanitary wastes go to separate septic tanks and tile field

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Bel-Rock Development

MAP REFERENCE NO: 29
CONTROL NO: 6127
REGISTRATION NO: PQ 007 04
COUNTY: Boone

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 30

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	48	40	36

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		Rule 203(f)

PLANNING AREAS

PLANNING AREA
201: Belvidere FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Belvidere Mobile Hm Pk

MAP REFERENCE NO: 30
CONTROL NO: 6020
REGISTRATION NO: PQ 007 10
COUNTY: Boone

BASIN: Rock

SEGMENT: A-02

RECEIVING STREAM: Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 35

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge plant
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .045

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0022845
EFFECTIVE DATE: 7/18/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

Proposed plant

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Belvidere STW

MAP REFERENCE NO: 25
CONTROL NO: 6024
REGISTRATION NO: PQ 007 01
COUNTY: Boone

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 32

FACILITY INFORMATION

TREATMENT TYPE: Primary, contact stabilization
Secondary clarifier
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	65	41	19

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 6.5

AVERAGE FLOW (MGD): 3.3

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0027685
EFFECTIVE DATE: 7/31/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 4/30/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		10
TSS (mg/l)		12
F COLI/100 ML		200
NH_3-N		Rule 203(f)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Belvidere FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: 049

PROJECT NO: C17 2322

TOTAL COST: 1,630,000

PRIORITY RANK: FT'77 780

6/1/76

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Big Foot Pkng Co-Harvard

MAP REFERENCE NO: 15 BASIN: Rock
CONTROL NO: 7817
REGISTRATION NO: PQEC 111 01
COUNTY: McHenry SEGMENT: A-02

RECEIVING STREAM: Lawrence Ck. to Piscasaw Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Some chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	80	220	5.6

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.034

AVERAGE FLOW (MGD): 0.04

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0034070
EFFECTIVE DATE: 4/14/75
INTERIM LIMIT. DATE: 6/30/77
EXPIRATION DATE: 1/31/79

EFFLUENT LIMITATIONS:

001	INTERIM	FINAL
BOD (mg/l)	50	4
TSS (mg/l)	75	5
F COLI/100 ML	200	200
NH_3-N	Rule 203(f)	
Oil & grease (mg/l)		15(DM)

PLANNING AREAS

PLANNING AREA
201:
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry A

COMPLIANCE SCHEDULE

Prelim. Plans	5/31/75
Final Plans	9/30/75
Begin Const.	12/31/75
Comp. Const.	5/31/77
Op. Level	7/1/77

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Candlewick Lake Utility

MAP REFERENCE NO: 32 BASIN: Rock
CONTROL NO: 6044
REGISTRATION NO: PQD 007 04
COUNTY: Boone SEGMENT: A-02

RECEIVING STREAM: Candlewick Lake to Spring Brook to Beaver Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Tertiary package plant with filters, chlorination, effluent holding pond. Phosphorus removal.

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .1

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0045527
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		Rule 203(f)
Phosphorus (mg/l)		.05

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Discharge to the newly constructed Candlewick Lake on Spring Brook upstream from Boone Lake

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Capron STW

MAP REFERENCE NO: 20
CONTROL NO: 6043
REGISTRATION NO: PQD 007 03
COUNTY: Boone

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Unnamed trib. to Beaver Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Package activated sludge
Polishing pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	50	42	20

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): .15

AVERAGE FLOW (MGD): .09

SEWER TYPE: Separate

OVERFLOW FREQUENCY: Bypassing occurs

PERMIT INFORMATION

NPDES #IL 0027855
EFFECTIVE DATE: 12/15/74
INTERIM LIMIT. DATE: *
EXPIRATION DATE: 2/28/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	30	4
TSS (mg/1)	30	5
F COLI/100 ML	200	200
NH_3-N	Rule 203	

PLANNING AREAS

PLANNING AREA
201: Capron FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

COMPLIANCE SCHEDULE

Final Plans 4 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 18 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: 20

PROJECT NO: C17 1102

TOTAL COST: $41,500

PRIORITY RANK: FY'76 0832

COMMENTS

Outfall sewer to Beaver Creek under construction

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

POINT SOURCE INFORMATION

NAME Cherry Valley STW

MAP REFERENCE NO: 36
CONTROL NO: 6055
REGISTRATION NO: PQ 201 02
COUNTY: Winnebago

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 41

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization
Activated sludge
Polishing pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	55	42	12

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): .5

AVERAGE FLOW (MGD): .15

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0028037
EFFECTIVE DATE: 10/6/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 6/1/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

New expanded plant in operation

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Chromalloy - Starline

MAP REFERENCE NO: 16
CONTROL NO: 7138
REGISTRATION NO: PQE 111 02
COUNTY: McHenry

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Unnamed ditch to Lawrence Ck. to Piscasaw Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR to LOW FLOW (CFS): 0.0

FACILITY INFORMATION

TREATMENT TYPE: Chemical precipitation
Chlorination
(Industrial waste only)

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.007

AVERAGE FLOW (MGD): 0.005

SEWER TYPE:

OVERFLOW FREQUENCY: None

PERMIT INFORMATION

NPDES #IL 0047821 - 001
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT. DATE: 6/30/77
EXPIRATION DATE: 3/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/l)	180(DM)	15(DM)
F COLI/100 ML		
NH_3-N		
Cu (mg/l)	0.1(DM)	0.1(DM)
Fe (tot)(mg/l)	3.0(DM)	2.0(DM)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Harvard FPA
208: NIPC

DESIGNATED LEAD AGENCY (201): Harvard

FPA MAP REFERENCE: McHenry A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

3/12/76 - Permits indicate company being issued permit to connect to municipal treatment system

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Chrysler Corp. STW

MAP REFERENCE NO: 28
CONTROL NO: 6058
REGISTRATION NO: PQ 007 02
COUNTY: Boone

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Unnamed trib. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Batch tanks, aeration tank
Air flotation, vacuum filter
Polishing lagoon

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	120	41	

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 4.3

AVERAGE FLOW (MGD): 0.70

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003239
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT. DATE: 11/30/76
EXPIRATION DATE: 2/1/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	20	4
TSS (mg/l)	25	5
F COLI/100 ML		
NH_3-N		
Pb (mg/l)	.1(DM)	.1(DM)
Temp.	Rule 203	Rule 203
TDS (mg/l)		750 Net

PLANNING AREAS

PLANNING AREA
201: Belvidere FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

COMPLIANCE SCHEDULE

Final Plans	9/1/75
Begin Const.	10/1/75
Comp. Const.	10/1/76
Op. Level	12/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Process water from assembly plant

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Country Delight

MAP REFERENCE NO: 1
CONTROL NO: 7836
REGISTRATION NO: PQF 089 02
COUNTY: Kane

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: 2 Evaporation lagoons

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Hampshire FPA
208: NIPC

DESIGNATED LEAD AGENCY (201): Hampshire

FPA MAP REFERENCE: Kane A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Dean Foods-CWD-Belvidere

MAP REFERENCE NO: 22
CONTROL NO: 6071
REGISTRATION NO: PQ 007 09
COUNTY: Boone

BASIN: Rock

SEGMENT: A-02

RECEIVING STREAM: Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 30.0

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank
3 cell lagoon

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003387
EFFECTIVE DATE: 5/15/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 2/28/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/l)		15(DM)
F COLI/100 ML		
NH_3-N		
TDS (mg/l)		750 Net
Temp.		Rule 203(i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Belvidere FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Manufactures ice cream and frozen desserts

Cooling water discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Dean Food Co - Capron

MAP REFERENCE NO: 19
CONTROL NO: 6067
REGISTRATION NO: PQE 007 01
COUNTY: Boone

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Spray irrigation

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Capron FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

No surface discharge

(Spray irrigation)

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Dean Food Co - Chemung

MAP REFERENCE NO: 18
CONTROL NO: 7845
REGISTRATION NO: PQE 111 01
COUNTY: McHenry

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Unnamed drainage ditch to Piscasaw Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 2.0

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration (activated sludge)
Tertiary lagoons
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	95	65	8.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.200

AVERAGE FLOW (MGD): 0.200

SEWER TYPE: Separate

OVERFLOW FREQUENCY: None recorded

PERMIT INFORMATION

NPDES #IL 0003395
EFFECTIVE DATE: 9/17/75
INTERIM LIMIT. DATE: 7/31/76
EXPIRATION DATE: 2/1/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	20	10
TSS (mg/l)	40	12
F COLI/100 ML	200	200
NH_3-N		Rule 203

If flow less than 258,000 per day the requirement is 30/30

PLANNING AREAS

PLANNING AREA
201:
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry A

COMPLIANCE SCHEDULE

Final Plans	7/31/75
Begin Const.	7/30/75
Comp. Const.	6/30/76
Op. Level	8/1/76

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME: Dean Foods Co-Huntley

MAP REFERENCE NO: 5 BASIN: Rock
CONTROL NO: 7843
REGISTRATION NO: PQI 111 02
COUNTY: McHenry SEGMENT: A-02

RECEIVING STREAM: Union Special Company storm sewer trib. to South Branch Fork to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0.10

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
Tertiary lagoons
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	50	120	25.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.030

AVERAGE FLOW (MGD): 0.020

SEWER TYPE: Separate

OVERFLOW FREQUENCY: 0

PLANNING AREAS

PLANNING AREA
201: Huntley FPA
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

PERMIT INFORMATION

NPDES #IL 0003409
EFFECTIVE DATE: 5/20/75
INTERIM LIMIT. DATE: 10/31/76
EXPIRATION DATE: 12/31/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	25	4
TSS (mg/l)	30	5
F COLI/100 ML	200	200
NH_3-N		Rule 203

COMPLIANCE SCHEDULE

Final Plans	9/30/75
Begin Const.	12/31/75
Comp. Const.	9/30/76
Op. Level	11/1/76

If diverted to Village of Huntley sewers:

Begin Const.	12/31/75
Comp. Const.	9/30/76
Connect to municipal sewer	11/1/76

COMMENTS

Processing and distributing fluid milk and cream (SIC 2026)

Chapter 3 indicates 10/12

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Eden Fruit Co.

MAP REFERENCE NO: 31
CONTROL NO: 6083
REGISTRATION NO: PQD 007 01
COUNTY: Boone

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Beaver Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .7

FACILITY INFORMATION

TREATMENT TYPE: Lagoons
Chlorination
Ammonia feed

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	230	100	26

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.054

AVERAGE FLOW (MGD): 0.045

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0034720
EFFECTIVE DATE: 4/17/75
INTERIM LIMIT. DATE: 12/31/76
EXPIRATION DATE: 3/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	120	30
TSS (mg/l)	70	30
F COLI/100 ML	200	200
NH_3-N		Rule 203

PLANNING AREAS

PLANNING AREA
201: Poplar Grove FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

COMPLIANCE SCHEDULE

Final Plans	9/30/75
Begin Const.	12/31/75
Comp. Const.	9/30/76
Op. Level	1/1/77

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Manufacture of fruit preserves (SIC 2033)

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Green Giant Belv-CWD 001

MAP REFERENCE NO: 21
CONTROL NO: 6130
REGISTRATION NO: PQ 007 07
COUNTY: Boone

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 30

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): 0.24

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003450
EFFECTIVE DATE: 4/13/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 4/30/78

EFFLUENT LIMITATIONS:

001	INTERIM	FINAL
BOD		
TSS (mg/l)		15(DM)
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)		15(DM)
Temp.		Rule 203(i)

PLANNING AREAS

PLANNING AREA
201: Belvidere FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Vegetable canning facility
(SIC 2033)
Cooling water
Spray irrigation for process
waste water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Green Giant Belv-CWD 002 MAP REFERENCE NO: 21 BASIN: Rock
CONTROL NO: 6130
REGISTRATION NO: PQ 007 13
COUNTY: Boone SEGMENT: A-02

RECEIVING STREAM: Kishwaukee R. to Rock R. STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 30

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): 0.04

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003450
EFFECTIVE DATE: 4/13/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 4/30/78

EFFLUENT LIMITATIONS:

002

	INTERIM	FINAL
BOD		
TSS (mg/l)		15(DM)
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)		15(DM)
Temp.		Rule 203(i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Belvidere FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Vegetable canning facility
(SIC 2033)
Cooling water
Spray irrigation for process
waste water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Green Giant Belv-CWD 003

MAP REFERENCE NO: 21
CONTROL NO: 6130
REGISTRATION NO: PQ 007 14
COUNTY: Boone

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 30

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): 0.38

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003450
EFFECTIVE DATE: 4/13/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 4/30/78

EFFLUENT LIMITATIONS:

003	INTERIM	FINAL
BOD		
TSS (mg/l)		15(DM)
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)		15(DM)
Temp.		Rule 203(i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Belvidere FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Vegetable canning facility (SIC 2033)

Cooling water

Spray irrigation for process waste water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Hampshire

MAP REFERENCE NO: 2
CONTROL NO: 7878
REGISTRATION NO: PQF 089 01
COUNTY: Kane

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Coon Ck. to Rock River to Kishwaukee River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Primary
Trickling filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	240	110	30

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.253

AVERAGE FLOW (MGD): 0.213

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0020281
EFFECTIVE DATE: 7/19/75
INTERIM LIMIT. DATE: *
EXPIRATION DATE: 5/31/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	40	10
TSS (mg/l)	40	12
F COLI/100 ML	200	200
NH_3-N		Rule 203

Bypass overflow study and treatment required

PLANNING AREAS

PLANNING AREA
201: Hampshire FPA
208:

DESIGNATED LEAD AGENCY (201): Hampshire

FPA MAP REFERENCE: Kane A

COMPLIANCE SCHEDULE

Final Plans 6 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 12 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: 4910202122

PROJECT NO: C17 0964

TOTAL COST: $828,000

PRIORITY RANK: FY'76 366

COMMENTS

Pfeffer exemption granted 10/18/72

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Harvard STW

MAP REFERENCE NO: 17 BASIN: Rock
CONTROL NO: 7881
REGISTRATION NO: PQEA 111 01
COUNTY: McHenry SEGMENT: A-02

RECEIVING STREAM: Moakeler Ck. to Piscasaw Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Polishing lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	38	90	9.6

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.62

AVERAGE FLOW (MGD): 0.58

SEWER TYPE: Separate

OVERFLOW FREQUENCY: Bypass following primary clarifier

PERMIT INFORMATION

NPDES #IL 0020117
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 6/30/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	30	10
TSS (mg/l)	30	12
F COLI/100 ML	200	200
NH_3-N		
DO (mg/l)		6.0 min.

PLANNING AREAS

PLANNING AREA
201: Harvard FPA
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry A

COMPLIANCE SCHEDULE

Final Plans 12 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 30 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
1	C17 1779
20	C17 1780

TOTAL COST:	PRIORITY RANK:
$1,350,000	FY'76 149
650,000	FY'76 157

COMMENTS

Pfeffer exemption granted 2/26/75

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Huntley STW

MAP REFERENCE NO: 4
CONTROL NO: 7894
REGISTRATION NO: PQI 111 03
COUNTY: McHenry

BASIN: Rock River

SEGMENT: A-02

RECEIVING STREAM: Unnamed ditch trib. to South Branch Fork to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank
Trickling filter
Interim chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	88	80	16.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.2

AVERAGE FLOW (MGD): 0.198

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0029238
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 6/30/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD (mg/l)	50	10
TSS (mg/l)	40	12
F COLI/100 ML		200
NH_3-N (mg/l)		Rule 203(f)

PLANNING AREAS

PLANNING AREA
201: Huntley FPA
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry C

COMPLIANCE SCHEDULE

Final Plans 9 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 24 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: 4910

PROJECT NO: C17 0663

TOTAL COST: $1,005,000

PRIORITY RANK: FY'76 113

COMMENTS

Pfeffer exemption granted 10/13/72

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME 111 Tollway Bldg 6

MAP REFERENCE NO: 3
CONTROL NO: 7899
REGISTRATION NO: PQF 089 03
COUNTY: Kane

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Ditch to Coon Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Tertiary sand filters
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.003

AVERAGE FLOW (MGD): 0.003

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0048682 Draft
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201:
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Kane A

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME 111 Toll Hwy - Belvidere

MAP REFERENCE NO: 24
CONTROL NO: 6143
REGISTRATION NO: PQ 007 15
COUNTY: Boone

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Ditch to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Oil separator

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .474 (max)

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Surface runoff from Oasis Service Area

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Iron Oaks Subdivision

MAP REFERENCE NO: 34
CONTROL NO: 6205
REGISTRATION NO: PQ 201 03
COUNTY: Winnebago

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 40.3

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

STP for Iron Oaks Subdivision, probably not in operation

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Marengo STW

MAP REFERENCE NO: 12
CONTROL NO: 7914
REGISTRATION NO: PQ 111 01
COUNTY: McHenry

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 7.2

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Tertiary lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	75	47	14

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:
Ni, Hg

DESIGN AVERAGE FLOW (MGD): 1.0

AVERAGE FLOW (MGD): 0.7

SEWER TYPE: Separate

OVERFLOW FREQUENCY: None

PERMIT INFORMATION

NPDES #IL 0020729
EFFECTIVE DATE: 5/11/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 6/1/77

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		Rule 203(f)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Marengo FPA
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Mid-West Tibon Plating

MAP REFERENCE NO: 23
CONTROL NO: 6238
REGISTRATION NO: PQFA 007 01
COUNTY: Boone

BASIN: Rock River

SEGMENT: A-02

RECEIVING STREAM: Unnamed ditch to Mosquito Creek to Coon Creek to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3 tank chemical feed equipment

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	36	150	6 2

CONSTITUENTS IN EXCESS OF IPCB CRITERIA FC

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .0054

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003808
EFFECTIVE DATE: 4/17/75
INTERIM LIMIT. DATE: 7/31/76
EXPIRATION DATE: 7/15/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/1)		15 (DM)
F COLI/100 ML		
NH_3-N	Rule 203	Rule 203
Zinc (tot)(mg/1)	1.2(DM)	1.0(DM)
Chromium Tri (mg/1)		1.0 (DM)
Chromium Hex (mg/1)		0.3 (DM)
Temp.		Rule 203 (i)

COMPLIANCE SCHEDULE

Final plans	6/30/75
Begin const.	9/30/75
Comp. const.	6/30/76
Op. Level	8/1/76

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

COMMENTS

Metal plating plant (SIC 3471)

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Morton-Norwich Prod STSF

MAP REFERENCE NO: 9
CONTROL NO: 7350
REGISTRATION NO: PQ 111 02
COUNTY: McHenry

BASIN: Rock River

SEGMENT: A-02

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank
Absorption field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Woodstock FPA
208: NIPC

DESIGNATED LEAD AGENCY (201): Woodstock

FPA MAP REFERENCE: McHenry A

COMMENTS

No surface discharge

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Plum Tree Nat'l Golf Club
MAP REFERENCE NO: 14
CONTROL NO: 7932
REGISTRATION NO: PQJ 111 01
COUNTY: McHenry
BASIN: Rock River
SEGMENT: A-02

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank
Seepage field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry A

COMMENTS

No discharge to surface

GRANT INFORMATION

PROJECT DESCRIPTION:
PROJECT NO:

TOTAL COST:
PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:
NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Poplar Grove STW

MAP REFERENCE NO: 13
CONTROL NO: 6271
REGISTRATION NO: PQD 007 02
COUNTY: Boone

BASIN: Rock River

SEGMENT: A-02

RECEIVING STREAM: Beaver Creek to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .9

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge, polishing lagoon, chlorination, drying beds, aerobic digesters

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	60	60	5.8

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.10

AVERAGE FLOW (MGD): 0.06

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0023451
EFFECTIVE DATE: 4/30/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 8/31/78

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD (mg/1)		10
TSS (mg/1)		12
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Poplar Grove FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

COMMENTS

Chapter 3 indicates 30/30

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

POINT SOURCE INFORMATION

NAME Riley Comm. Sch. D-18 STSF
MAP REFERENCE NO: 7
CONTROL NO: 7510
REGISTRATION NO: PQF 111 01
COUNTY: McHenry
BASIN: Rock River
SEGMENT: A-02

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank
Tile field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.013

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry A

COMMENTS

No surface discharge

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Sunstrand Corp.

MAP REFERENCE NO: 26
CONTROL NO: 6403
REGISTRATION NO: PQ 007 06
COUNTY: Boone

BASIN: Rock River

SEGMENT: A-02

RECEIVING STREAM: Unnamed Creek to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .068

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0037567
EFFECTIVE DATE: 7/20/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 5/31/80

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203 (1)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Belvidere FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Machine tool manufacturing plant (SIC 3541)
Non-contact cooling water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Turnberry Util Inc.

MAP REFERENCE NO: 8
CONTROL NO: 7548
REGISTRATION NO: PQ 111 06
COUNTY: McHenry

BASIN: Rock River

SEGMENT: A-02

RECEIVING STREAM: Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .89

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization
Sand filters
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	80	42	11.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.05

AVERAGE FLOW (MGD): 0.006

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0045446
EFFECTIVE DATE: 6/30/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 10/31/78

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N		Rule 203 (f)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry C

COMMENTS

Chapter 3 indicates 30/30

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Union Special Co. - Huntley
MAP REFERENCE NO: 6
CONTROL NO: 7958
REGISTRATION NO: PQI 111 05
COUNTY: McHenry
BASIN: Rock River
SEGMENT: A-02

RECEIVING STREAM: Storm sewer tributary to South Branch Fork to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0.064

FACILITY INFORMATION

TREATMENT TYPE: Oil treatment
Cn waste treatment
Metal finishing waste treatment

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	160	390	28

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

Cr^{+6}, Zn, Fe

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): 0.07

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003662
EFFECTIVE DATE: 7/20/75
INTERIM LIMIT. DATE: 12/31/76
EXPIRATION DATE: 3/31/80

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD (mg/1)	35	4
TSS (mg/1)	100	5
F COLI/100 ML		
NH_3-N		
Chromium (hexa)	0.5 (DM)	0.3 (DM)
Fe (tot)	2.0 (DM)	2.0 (DM)
Pb (u)	0.1 (DM)	0.1 (DM)
Zn (u)	1.0 (DM)	1.0 (DM)
Chromium (Tri)		1.0 (DM)
Oil & grease		15 (DM)

PLANNING AREAS

PLANNING AREA
201: Huntley FPA
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry C

COMMENTS

Machine shop and metal finishing

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Woodstock South

MAP REFERENCE NO: 10
CONTROL NO: 7963
REGISTRATION NO: PQ 111 04
COUNTY: McHenry

BASIN: Rock River

SEGMENT: A-02

RECEIVING STREAM: Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Contact stabilization
1-Lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	16	35	1.2

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: Hg

DESIGN AVERAGE FLOW (MGD): 0.75

AVERAGE FLOW (MGD): 0.2

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0034282
EFFECTIVE DATE: 6/9/75
INTERIM LIMIT. DATE: *
EXPIRATION DATE: 6/3/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	30	4
TSS (mg/1)	30	5
F COLI/100 ML	200	200
NH_3-N	Rule 203 (f)	

PLANNING AREAS

PLANNING AREA
201: Woodstock FPA
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry A

COMPLIANCE SCHEDULE

Final plans 6 mos. after Step II
Begin const. 3 mos. after Step III
Comp. const. 18 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: 4911

PROJECT NO: C17 2093

TOTAL COST: $30,000

PRIORITY RANK: FY'76 666

COMMENTS

Pfeffer exemption granted 9/4/75 for 12/12

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Anaconda Co - Sycamore

MAP REFERENCE NO: 15
CONTROL NO: 6026
REGISTRATION NO: PQC 037 --
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: Storm sewer to Ditch to East Br. to South Br. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .45

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003760
EFFECTIVE DATE: 6/20/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 6/1/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/1)		15 DM
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sycamore FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Boiler blowdown & non-contact cooling water

Was PQCG 037 04

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Burlington Central HS

MAP REFERENCE NO: 14
CONTROL NO: 7822
REGISTRATION NO: PQCG 089 03
COUNTY: Kane

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: Virgil (Union) ditch tributary to Middle Branch to South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 4-cell lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.00945

AVERAGE FLOW (MGD): 0.010

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0023761
EFFECTIVE DATE: 6/18/75
INTERIM LIMIT. DATE: 8/31/76
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD (mg/1)	30	4
TSS (mg/1)	30	5
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201:
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Kane A

COMPLIANCE SCHEDULE

Comp. const.	8/1/76
Op. Level	9/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/19/76

POINT SOURCE INFORMATION

NAME Country Gardens Subd - STK
MAP REFERENCE NO: 11
CONTROL NO: 6062
REGISTRATION NO: PQCI 037 01
COUNTY: DeKalb
BASIN: Rock River
SEGMENT: A-03

RECEIVING STREAM: Union Ditch to South Branch to Kishwaukee River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Septic tank

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0042617
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N	Rule 203 (f)	

PLANNING AREAS

PLANNING AREA
201: DeKalb FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

COMMENTS

Not yet constructed

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME DeKalb-Northlnd Shop Ctr

MAP REFERENCE NO: 6
CONTROL NO: 6073
REGISTRATION NO: PQC 037 08
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: Storm sewer to South Branch to Kishwaukee to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .1

FACILITY INFORMATION

TREATMENT TYPE: Package plant
Activated sludge
Polishing lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .027

AVERAGE FLOW (MGD): .008

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		10
TSS (mg/1)		12
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: DeKalb FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME DeKalb SD - Country Club

MAP REFERENCE NO: 8
CONTROL NO: 6059
REGISTRATION NO: PQC 037 06
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Package plant
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	13	24	4.8

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .2

AVERAGE FLOW (MGD): .1

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0022802
EFFECTIVE DATE: 6/30/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMMENTS

Chapter 3 indicates 4/5

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

POINT SOURCE INFORMATION

NAME DeKalb SD - Main

MAP REFERENCE NO: 7
CONTROL NO: 6074
REGISTRATION NO: PQC 037 02
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .10

FACILITY INFORMATION

TREATMENT TYPE: Primary settling
Trickling filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	22	22	13

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 7.0

AVERAGE FLOW (MGD): 4.54

SEWER TYPE: Separate & Combined

OVERFLOW FREQUENCY: >5 times/yr.

PLANNING AREAS

PLANNING AREA
201: DeKalb FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
491020	C17 1334
22	C17 1901

TOTAL COST:	PRIORITY RANK:
$3,703,000	FY'76 0168
342,000	FY'76 1017

PERMIT INFORMATION

NPDES #IL 0023027
EFFECTIVE DATE: 12/22/74
INTERIM LIMIT. DATE: *
EXPIRATION DATE: 2/28/76

*Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	20	4
TSS (mg/1)	25	5
F COLI/100 ML	200	200
NH_3-N (mg/1)	Rule 203 (f)	
Cn (mg/1)	.025	.025
Hg (mg/1)	0.0005	0.0005

#002, 003 Bypass/overflow, outfalls
Compliance dependent on funding

COMPLIANCE SCHEDULE

Final plans 3 mos. after Step II
Begin const. 3 mos. after Step III
Comp. const. 12 mos. after begin.
Op. Level 1 mo. after complete

COMMENTS

Pfeffer exemption granted 8/1/75 for 10/12

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME: DeKalb S. D. South Slope

MAP REFERENCE NO: 2
CONTROL NO: 6076
REGISTRATION NO: PQC 037 12
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3-cell aerated lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .165

AVERAGE FLOW (MGD): .08

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0023582
EFFECTIVE DATE: 4/27/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 2/28/76

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	30	4
TSS (mg/1)	30	5
F COLI/100 ML	200	200
NH_3-N	Rule 203 (f)	

PLANNING AREAS

PLANNING AREA
201: DeKalb FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE
Final plans 3 mos. after Step II
Begin const. 6 mos. after Step III
Comp. const. 12 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME DelMonte - DeKalb CWD

MAP REFERENCE NO: 3
CONTROL NO: 6029
REGISTRATION NO: PQC 037 20
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: Storm sewer to South Branch to Kishwaukee River, to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.182

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003166
EFFECTIVE DATE: 7/18/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 2/28/78

EFFLUENT LIMITATIONS:
002

	INTERIM	FINAL
BOD (mg/1)		10
TSS (mg/1)		12
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203(i)

PLANNING AREAS

PLANNING AREA
201: DeKalb FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

Final plans	9/30/75
Begin const.	12/31/75
Comp. const.	8/31/76
Op. Level	10/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

002 - Contact cooling water
Pfeffer exemption granted 12/3/75

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME DelMonte - DeKalb - Process

MAP REFERENCE NO: 3
CONTROL NO: 6029
REGISTRATION NO: PQC 037 09
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: Storm sewer Tributary to South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Spray irrigation followed by lagoon

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003166
EFFECTIVE DATE: 7/18/75
INTERIM LIMIT. DATE: 9/30/76
EXPIRATION DATE: 2/28/78

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD (mg/1)	50	10
TSS (mg/1)	100	12
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: DeKalb FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

Final plans	9/30/75
Begin const.	12/31/75
Comp. const.	8/31/76
Op. Level	10/1/76

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

001-Process water
Pfeffer exemption granted 12/3/75

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Ellwood Greens Developmt

MAP REFERENCE NO: 16
CONTROL NO: 6142
REGISTRATION NO: PQC 037 17
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 7.9

FACILITY INFORMATION

TREATMENT TYPE: 2-cell lagoon
Rock filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .070

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0037036 Draft
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:
Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Genova FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMMENTS

New Plant

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME: Evergreen MHP

MAP REFERENCE NO: 13
CONTROL NO: 6149
REGISTRATION NO: PQCI 037 02
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: Union drainage ditch to South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .3

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .028

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0036811
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sycamore FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMMENTS

Proposed plant

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME General Elec - DeKalb- CWD
MAP REFERENCE NO:5
CONTROL NO: 6170
REGISTRATION NO: PQC 037 19
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: Ditch tributary to South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 7.27

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.10

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003824
EFFECTIVE DATE: 4/13/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 6/1/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/1)		15 (DM)
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/1)		15
Temp.		Rule 203 (i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: DeKalb FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

Manufactures appliance motors (SIC 3633)
Non-contact CWD

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Genoa North

MAP REFERENCE NO: 17
CONTROL NO: 6125
REGISTRATION NO: PQCE 037 01
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: Deer Creek to South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Lagoon

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	44	70	9.4

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): .135

AVERAGE FLOW (MGD): .343

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N		Rule 203 (f)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Genoa FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMMENTS

Plant to be phased out and diverted to a new plant being planned.

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
22	C17 1532
18	C17 1135

TOTAL COST: $314,000

PRIORITY RANK:
FY'76 266
FY'76 6

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Genoa STW West

MAP REFERENCE NO: 18
CONTROL NO: 6126
REGISTRATION NO: PQC 037 01
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 7.9

FACILITY INFORMATION

TREATMENT TYPE: Primary w/trickling filter

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	37	65	22

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .780

AVERAGE FLOW (MGD): .60

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL0031950
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 6/1/77

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

#002 - Bypass/overflow effluent limitations dependent upon auxiliary funding

PLANNING AREAS

PLANNING AREA
201: Genova FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

Final plans	8/1/75
Begin const.	11/1/75
Comp. const.	11/31/76
Op. Level	12/21/76

GRANT INFORMATION

PROJECT DESCRIPTION:
39102123
18

PROJECT NO:
C17 1135 (new)
C17 1135 (old)

TOTAL COST:
$2,674,400

PRIORITY RANK:
FY'76 6
FY'76 6

COMMENTS

Genoa West and Genoa North STPS will be phased out and diverted to a new plant (West-New)
2 outfalls - 001, 002

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME: Kirkland Scout Resvt E

MAP REFERENCE NO: 21
CONTROL NO: 6230
REGISTRATION NO: PQC 037 15
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 9.4

FACILITY INFORMATION

TREATMENT TYPE: Septic tank
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.0005

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0042714
EFFECTIVE DATE: 7/18/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Kirkland FPA
208:

DESIGNATED LEAD AGENCY (201): Kirkland

FPA MAP REFERENCE: DeKalb A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Kirkland Scout Resvt W

MAP REFERENCE NO: 21
CONTROL NO: 6223
REGISTRATION NO: PQC 037 16
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 9.4

FACILITY INFORMATION

TREATMENT TYPE: Septic tank
Intermittent sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.014

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0042714
EFFECTIVE DATE: 7/18/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:
002

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Kirkland FPA
208:

DESIGNATED LEAD AGENCY (201): Kirkland

FPA MAP REFERENCE: DeKalb A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Kirkland STW

MAP REFERENCE NO: 20
CONTROL NO: 6231
REGISTRATION NO: PQC 037 10
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 9.4

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank
Trickling filter
Polishing pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	23	15	8.96

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.118

AVERAGE FLOW (MGD): 0.122

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0029360
EFFECTIVE DATE: 6/28/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 1/25/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Kirkland FPA
208:

DESIGNATED LEAD AGENCY (201): Kirkland

FPA MAP REFERENCE: DeKalb A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: 22

PROJECT NO: C17 1499

TOTAL COST: $610,000

PRIORITY RANK: FY'76 25

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Larsen AC Inc 001

MAP REFERENCE NO: 4
CONTROL NO: 6248
REGISTRATION NO: PQC 037 --
COUNTY: DeKalb

BASIN: Rock

SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0.195

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .05 Max

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0042277
EFFECTIVE DATE: 6/20/75
INTERIM LIMIT. DATE: 7/1/76
EXPIRATION DATE: 5/31/80

EFFLUENT LIMITATIONS:

001	INTERIM	FINAL
BOD		
TSS (mg/l)	15(DM)	15(DM)
F COLI/100 ML		
NH_3-N		
TDS (mg/l)	750 Net	750 Net
Chlorides		Rule 203

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

COMPLIANCE SCHEDULE

Final Plans	10/31/75
Begin Const.	11/30/75
Comp. Const.	5/31/76
Op. Level	7/1/76

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

Water Softening Service

Backwash water discharge

Was PQ 037 02

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Larsen Elmer Inc - 002

MAP REFERENCE NO: 12
CONTROL NO: 6144
REGISTRATION NO: PQC 037 11
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: East Branch to South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .3

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003786
EFFECTIVE DATE: 3/7/74
INTERIM LIMIT, DATE: 11/30/74
EXPIRATION DATE: 11/30/78

EFFLUENT LIMITATIONS:
002

	INTERIM	FINAL
BOD		
TSS (mg/1)	50	20
F COLI/100 ML		
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Sycamore FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

Begin const.	5/1/74
Op. Level	11/30/74

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Rainfall runoff, ground water, and gravel washing operations

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Notre Dame HS-DeKalb

MAP REFERENCE NO: 1
CONTROL NO: 6254
REGISTRATION NO: PQC 037 04
COUNTY: DeKalb

BASIN: Rock
SEGMENT: A-03

RECEIVING STREAM: Field Tile, drainage tributary, to South Branch to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization - package plant
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	22	24	11

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.07

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		Rule 203(f)

PLANNING AREAS

PLANNING AREA
201: DeKalb FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Sycamore - North Cross 003
MAP REFERENCE NO: 10
CONTROL NO: 6352
REGISTRATION NO: IL0CI 037 03
COUNTY: DeKalb
BASIN: Rock River
SEGMENT: A-03

RECEIVING STREAM: East Branch of Kishwaukee River Trib to South Banch of Kishwaukee River to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .3

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 1.8

AVERAGE FLOW (MGD): 1.6

SEWER TYPE: Separate & Combined

OVERFLOW FREQUENCY: Bypass above 3.5 Mgd

PERMIT INFORMATION

NPDES #IL 0031291
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 5/1/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	30	10
TSS (mg/1)	30	12
F COLI/100 ML		200
NH_3-N (mg/1)		1.5
DO (mg/1)		6.0 Min

PLANNING AREAS

PLANNING AREA
201: Sycamore FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

Final plans 10 mos. after Step II
Begin const. 3 mos. after Step III
Comp. const. 12 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: 391021

PROJECT NO: C17 1335

TOTAL COST: $5,050,000

PRIORITY RANK: FY'76 45

COMMENTS

Pfeffer exemption granted 1/9/75

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Sycamore SW-Amcodyne 002

MAP REFERENCE NO: 9
CONTROL NO: 6342
REGISTRATION NO: PQC 037 07
COUNTY: DeKalb

BASIN: Rock
SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 4.5

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .05

AVERAGE FLOW (MGD): .04

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0031305
EFFECTIVE DATE: 3/28/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 5/1/77

EFFLUENT LIMITATIONS:

002	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sycamore FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: 22

PROJECT NO: C17 1335

TOTAL COST: $227,600

PRIORITY RANK: FY'76 887

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME: Sycamore SW-Suburbia 001
MAP REFERENCE NO: 9
CONTROL NO: 6343
REGISTRATION NO: PQC 037 13
COUNTY: DeKalb
BASIN: Rock
SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 4.5

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .40

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0031305
EFFECTIVE DATE: 3/28/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 5/1/77

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD (mg/l)		20
TSS (mg/l)		25
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Sycamore FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: 020

PROJECT NO: C17 1335

TOTAL COST: $568,800

PRIORITY RANK: FY'76 719

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Walcamp Div Lutheran Sch

MAP REFERENCE NO: 19
CONTROL NO: 6176
REGISTRATION NO: PQC 037 05
COUNTY: DeKalb

BASIN: Rock River

SEGMENT: A-03

RECEIVING STREAM: South Branch to Kishwaukee River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 8.5

FACILITY INFORMATION

TREATMENT TYPE: Extended air package plant
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	8	34	2.2

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.013

AVERAGE FLOW (MGD): 0.005

SEWER TYPE: Separate

OVERFLOW FREQUENCY: Never

PERMIT INFORMATION

NPDES #IL 0023841
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Genova FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Atwood Park Lodge - STK

MAP REFERENCE NO: 4
CONTROL NO: 6041
REGISTRATION NO: PQ 201 05
COUNTY: Winnebago

BASIN: Rock

SEGMENT: A-04

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, seepage field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .004

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Kishwaukee Jr College

MAP REFERENCE NO: 1
CONTROL NO: 6178
REGISTRATION NO: PQBA 037 01
COUNTY: DeKalb

BASIN: Rock
SEGMENT: A-04

RECEIVING STREAM: East Branch to Kilbuck Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
Polishing pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.05

AVERAGE FLOW (MGD): 0.05

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0023833
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT. DATE: 3/31/76
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	30	4
TSS (mg/l)	30	5
F COLI/100 ML	200	200
NH_3-N		Rule 203(f)
DO (mg/l)		6. min.

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMPLIANCE SCHEDULE

Final Plans	8/31/75
Begin Const.	11/30/75
Comp. Const.	2/29/76
Op. Level	3/31/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Lagoon exemption granted 4/22/75 for 30/30

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Monroe Center STW

MAP REFERENCE NO: 2
CONTROL NO: 6244
REGISTRATION NO: PQB 141 01
COUNTY: Ogle

BASIN: Rock
SEGMENT: A-04

RECEIVING STREAM: Field tiles trib. to Kilbuck Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3-cell lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .05

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0023604
EFFECTIVE DATE: 11/30/73
INTERIM LIMIT, DATE:
EXPIRATION DATE: 10/29/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Rolling Meadows MHP

MAP REFERENCE NO: 3
CONTROL NO: 6367
REGISTRATION NO: PQB 141 02
COUNTY: Ogle

BASIN: Rock
SEGMENT: A-04

RECEIVING STREAM: Unnamed trib. to Kilbuck Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3 cell lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.015

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY: None

PERMIT INFORMATION

NPDES #IL 0033138
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Chapter 3 indicates 4/5

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME American Oil Co. - Rochelle

MAP REFERENCE NO: 2
CONTROL NO: 6395
REGISTRATION NO: PL 141 07
COUNTY: Ogle

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Kyte River, to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .1

FACILITY INFORMATION

TREATMENT TYPE: Oil Separator

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	100	35	

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:
Design Max Flow (MGD) 1.9

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003336
EFFECTIVE DATE: 1/16/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 11/30/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/1)		15
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/1)		10

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rochelle FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

POINT SOURCE INFORMATION

NAME Ashton STW

MAP REFERENCE NO: 8
CONTROL NO: 6042
REGISTRATION NO: PL 103 02
COUNTY: Lee

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Ditch to Kyte R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank
Trickling filter

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	46	37	8.6

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.18

AVERAGE FLOW (MGD): .098

SEWER TYPE:

OVERFLOW FREQUENCY: Frequent

PERMIT INFORMATION

NPDES #IL 0023361
EFFECTIVE DATE: 1/4/74
INTERIM LIMIT. DATE: 6/30/77
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	30	4
TSS (mg/1)	37	5
F COLI/100 ML	400	200
NH_3-N		

Redraft has been submitted

PLANNING AREAS

PLANNING AREA
201: Ashton FPA
208:

DESIGNATED LEAD AGENCY (201): Ashton

FPA MAP REFERENCE: Lee B

COMPLIANCE SCHEDULE

Prelim. plans	6/30/74
Final plans	6/30/75
Begin const.	12/31/75
Comp. const.	6/30/77
Op. Level	6/30/77

GRANT INFORMATION

PROJECT DESCRIPTION:
491022

PROJECT NO:
C17 0957

TOTAL COST:
$310,000

PRIORITY RANK:
FY'76 202

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME DelMonte - Rochelle 109 - CWD

MAP REFERENCE NO: 4
CONTROL NO: 6078
REGISTRATION NO: PL 141 09
COUNTY: Ogle

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Unnamed ditch to Kyte River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003417
EFFECTIVE DATE: 7/19/75
INTERIM LIMIT. DATE: 4/30/75
EXPIRATION DATE: 9/28/78

EFFLUENT LIMITATIONS:
002

	INTERIM	FINAL
BOD (mg/1)	14	4
TSS (mg/1)	12	5
F COLI/100 ML		200
NH_3-N		
Temp.		Rule 203 (i)
TDS		Rule 203

PLANNING AREAS

PLANNING AREA
201: Rochelle FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMPLIANCE SCHEDULE

Final plans	10/31/75
Begin const.	11/30/75
Comp. const.	3/31/76
Op. Level	5/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

002 - Contact cooling water discharge
Canning of vegetable and fruit juicies (SIC 2033)
Pfeffer exemption granted 7/17/74 for 10/12

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME DelMonte - Rochelle 110 CWD

MAP REFERENCE NO: 4
CONTROL NO: 6078
REGISTRATION NO: PL 141 10
COUNTY: Ogle

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Unnamed ditch to Kyte River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): 0.0

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003417
EFFECTIVE DATE: 7/19/75
INTERIM LIMIT. DATE: 4/30/75
EXPIRATION DATE: 2/28/78

EFFLUENT LIMITATIONS:
003

	INTERIM	FINAL
BOD (mg/1)	14	4
TSS (mg/1)	12	5
F COLI/100 ML		200
NH_3-N		
Temp.	Rule 203 (i)	
TDS (mg/1)	Rule 203	

PLANNING AREAS

PLANNING AREA
201: Rochelle FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMPLIANCE SCHEDULE

Final plans	10/31/75
Begin const.	11/30/75
Comp. const.	3/31/76
Op. Level	5/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

003 - Contact cooling water discharge
Canning of vegetables and fruit juicies (SIC 2033)
Pfeffer exemption granted 7/17/74 for 10/12

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME DelMonte - Rochelle - Process

MAP REFERENCE NO: 4
CONTROL NO: 6078
REGISTRATION NO: PL 141 03
COUNTY: Ogle

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Kyte River, to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1.6

FACILITY INFORMATION

TREATMENT TYPE: Screening, Sedimentation, Aeration, Stabilization Basins

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003417
EFFECTIVE DATE: 7/19/75
INTERIM LIMIT. DATE: 9/30/75
EXPIRATION DATE: 2/28/78

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD (mg/1)	50	10
TSS (mg/1)	100	12
F COLI/100 ML	400	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Rochelle FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMPLIANCE SCHEDULE

Final plans	7/31/75
Begin const.	11/30/75
Comp. const.	8/31/76
Op. Level	10/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

001 - Product waste water discharge
Canning of vegetables and fruit juices (SIC 2033)
Pfeffer exemption granted 7/17/74

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Eaton Corp - Rochelle - CWD

MAP REFERENCE NO: 1
CONTROL NO: 5138
REGISTRATION NO: PL 141 04
COUNTY: Ogle

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Open ditch to Kyte R., to Rock R. STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .10

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003735
EFFECTIVE DATE: 1/28/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203

Discharge limited to non-contact cooling water

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rochelle FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME E. D Etnyre Co.

MAP REFERENCE NO: 9
CONTROL NO: 6084
REGISTRATION NO: PL 141 08
COUNTY: Ogle

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Unnamed Ck., to Kyte River, to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Septic tank
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .005

AVERAGE FLOW (MGD): .005

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0042251
EFFECTIVE DATE: 5/17/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: //31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

COMMENTS

Sanitary waste water only

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Rochelle STW

MAP REFERENCE NO: 3
CONTROL NO: 6417
REGISTRATION NO: PL 141 02
COUNTY: Ogle

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Kyte River, to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .10

FACILITY INFORMATION

TREATMENT TYPE: Trickling filter
Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	32	14	30

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 4.0

AVERAGE FLOW (MGD): 3.12

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0030741
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 9/30/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		10
TSS (mg/1)		12
F COLI/100 ML		200
NH_3-N		Rule 203 (f)

PLANNING AREAS

PLANNING AREA
201: Rochelle FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMPLIANCE SCHEDULE

COMMENTS

Pfeffer exemption granted 7/17/74

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Rolling Greens Est - SSD

MAP REFERENCE NO: 6
CONTROL NO: 6365
REGISTRATION NO: PL 141 12
COUNTY: Ogle

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .011

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

COMMENTS

Subsurface drainage

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Shangri-la Mobile Home

MAP REFERENCE NO: 7
CONTROL NO: 6388
REGISTRATION NO: PL 141 06
COUNTY: Ogle

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Kyte R., to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 3.0

FACILITY INFORMATION

TREATMENT TYPE: 3-cell aerated lagoon
Rock filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
		60	11.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .037

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0045454
EFFECTIVE DATE: 7/20/75
INTERIM LIMIT. DATE: 4/11/76
EXPIRATION DATE: 6/1/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	60	30
TSS (mg/1)	60	30
F COLI/100 ML	200	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMPLIANCE SCHEDULE

Final plans	8/1/75
Begin const.	10/1/75
Comp. const.	3/1/76
Op. Level	4/1/76

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Stokely - Rochelle

MAP REFERENCE NO: 5
CONTROL NO: 6370
REGISTRATION NO: PL 141 05
COUNTY: Ogle

BASIN: Rock River

SEGMENT: A-05

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rochelle FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMMENTS

Process water (spray irrigation)

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Afolkey Cheese Co-op

MAP REFERENCE NO: 5
CONTROL NO: 6008
REGISTRATION NO: PWPA 177 01
COUNTY: Stephenson

BASIN: Rock River

SEGMENT: A-06

RECEIVING STREAM: Cedar Creek to Richland Creek to Pecatonica River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Septic tank
Aeration
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .009

AVERAGE FLOW (MGD): .0036

SEWER TYPE:

OVERFLOW FREQUENCY: Twice yearly

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N (mg/1)		1.5

PLANNING AREAS

PLANNING AREA
201: Dakota FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson B

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Boulder Hill MHP - Freeprt

MAP REFERENCE NO: 20
CONTROL NO: 6328
REGISTRATION NO: PWNA 177 01
COUNTY: Stephenson

BASIN: Rock River

SEGMENT: A-06

RECEIVING STREAM: Dry ditch, to Crane Ck., to Yellow Ck., to Pecatonica River, to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3-cell lagoon

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:
Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N (mg/1)		1.5

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson C

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Brush Creek Cheese

MAP REFERENCE NO: 4
CONTROL NO: 6070
REGISTRATION NO: PWPB 177 01
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, seepage field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No surface discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME: Cedarville STW

MAP REFERENCE NO: 6
CONTROL NO: 6077
REGISTRATION NO: PWPA 177 02
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Unnamed trib. to Cedar Ck. to Richland Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 2-cell aerated lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.1

AVERAGE FLOW (MGD): 0.025

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0022438
EFFECTIVE DATE: 4/28/75
INTERIM LIMIT. DATE: *
EXPIRATION DATE: 2/28/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	20(MA)	4(MA)
TSS (mg/l)	30(MA)	5(MA)
F COLI/100 ML	200	200
NH_3-N		Rule 203

PLANNING AREAS

PLANNING AREA
201: Cedarville FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson A

COMPLIANCE SCHEDULE

Final Plans 6 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 12 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Dakota STW

MAP REFERENCE NO: 24
CONTROL NO: 6107
REGISTRATION NO: PWL 177 01
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Winnishick Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Polishing lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	240	32	47

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .1

AVERAGE FLOW (MGD): .03

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0028304
EFFECTIVE DATE: 5/24/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 2/1/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	30	4
TSS (mg/l)	30	5
F COLI/100 ML	200	200
NH_3-N		Rule 203

PLANNING AREAS

PLANNING AREA
201: Dakota FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson C

COMPLIANCE SCHEDULE

Final Plans 4 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 6 mos. after begin.
Op. Level 1 mo. after comp

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Dean Food - Pecatonica CWD
MAP REFERENCE NO: 30
CONTROL NO: 6065
REGISTRATION NO: PW 201 04
COUNTY: Winnebago
BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Pecatonica R. to Rock R.
STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .252

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0034908
EFFECTIVE DATE: 4/31/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 3/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203(i)
TDS		Rule 203(f)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Pecatonica FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago B

COMMENTS

Non-contact cooling water

GRANT INFORMATION

PROJECT DESCRIPTION:
PROJECT NO:

TOTAL COST:
PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:
NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Durand SD

MAP REFERENCE NO: 29
CONTROL NO: 6079
REGISTRATION NO: PWBA 201 01
COUNTY: Winnebago

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Otter Ck. to Sugar R. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Single cell lagoon

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .10

AVERAGE FLOW (MGD): .10

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0028525
EFFECTIVE DATE: 3/27/75
INTERIM LIMIT. DATE: 10/31/75
EXPIRATION DATE: 4/1/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	50(MA)	30(MA)
TSS (mg/l)	50(MA)	30(MA)
F COLI/100 ML	200	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Durand FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago B

COMPLIANCE SCHEDULE

Begin Const.	3/31/75
Comp. Const.	9/30/75
Op. Level	10/31/75

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Lagoon exemption granted 10/18/72

New plant: add 2 cell aerated lagoon, rock filter, chlorination

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Excelsior Cheese Co

MAP REFERENCE NO: 8
CONTROL NO: 6152
REGISTRATION NO: PWQ 177 04
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Waddams Ck. trib. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .14

FACILITY INFORMATION

TREATMENT TYPE: 3-cell aerated lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .003

AVERAGE FLOW (MGD): .005

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0026735
EFFECTIVE DATE: 6/21/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 6/30/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Freeport Blacktop Const. MAP REFERENCE NO: 21 BASIN: Rock
CONTROL NO: 6161
REGISTRATION NO: PWN 177 06
COUNTY: Stephenson SEGMENT: A-06

RECEIVING STREAM: Unnamed trib. to Yellow Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Settling basins

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .936

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0022241
EFFECTIVE DATE: 6/20/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 3/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/l)		15 DM
F COLI/100 ML		
NH_3-N		
TDS (mg/l)		750 Net

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson C

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Freeport STW

MAP REFERENCE NO: 17
CONTROL NO: 6162
REGISTRATION NO: PW 177 01
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 181

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge-total mixed
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	6.5	10.2	10.2

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 6.75

AVERAGE FLOW (MGD): 6.25

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0023591
EFFECTIVE DATE: 6/28/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/75

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		20(MA)
TSS (mg/1)		25(MA)
F COLI/100 ML		200
NH_3-N		
CN (mg/1)		.025
Zn (mg/1)		1.0

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson B

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Gummow Farm Dairy - Rocktn
MAP REFERENCE NO: 33
CONTROL NO: 6187
REGISTRATION NO: PW 201 02
COUNTY: Winnebago
BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Unnamed trib. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3 cell lagoon
Rock filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.0025

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

COMMENTS

Discharge occurs only when dilution ration is greater than 5:1

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Highway Coop Cheese Plant
MAP REFERENCE NO: 23
CONTROL NO: 6203
REGISTRATION NO: PWL 177 02
COUNTY: Stephenson
BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Winneshiek Ck. to Pecatonica R. to Rock R.
STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0023990
EFFECTIVE DATE: 7/14/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 6/1/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Dakota FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Non-contact cooling water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Ill Ctl Gulf RR-Freeport

MAP REFERENCE NO: 15
CONTROL NO: 6163
REGISTRATION NO: PW 177 02
COUNTY: Stephenson

BASIN: Rock

SEGMENT: A-06

RECEIVING STREAM: Drainage ditch to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 2 lagoons

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE: Combined

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0048453
EFFECTIVE DATE: 10/16/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 5/31/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/l)		15
F COLI/100 ML		
NH_3-N		
Oil (mg/l)		15

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson B

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Kelly Spfld. Tire DOM

MAP REFERENCE NO: 22
CONTROL NO: 6226
REGISTRATION NO: PWM 177 01
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Silver Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .57

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Rock filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
		78	18.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .035

AVERAGE FLOW (MGD): .03

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003204
EFFECTIVE DATE: 4/24/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 8/31/78

EFFLUENT LIMITATIONS:

001	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson C

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

001 - Sanitary Waste

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Kelly-Spfld. Tire-Temp.

MAP REFERENCE NO: 22
CONTROL NO: 6225
REGISTRATION NO: PWM 177 06
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Silver Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .57

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .4

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003204
EFFECTIVE DATE: 4/24/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 8/31/78

EFFLUENT LIMITATIONS:

002

	INTERIM	FINAL
BOD		
TSS (mg/l)		15
F COLI/100 ML		
NH_3-N		
Temp		Rule 203(i)
TDS (mg/l)		750 Net

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson C

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

002 - Non-contact cooling water & acid zeolite backwash

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Kent Cheese Co. - 001

MAP REFERENCE NO: 11
CONTROL NO: 6229
REGISTRATION NO: PWN 177 03
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Unnamed field drain tile to Yellow Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 2 aerated lagoons
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	127	200	14.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.03

AVERAGE FLOW (MGD): 0.03

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003476
EFFECTIVE DATE: 2/21/75
INTERIM LIMIT. DATE: 4/30/76
EXPIRATION DATE: 12/31/79

Modification requested

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	52	4
TSS (mg/l)	108	5
F COLI/100 ML	200	200
NH_3-N	Rule 203	Rule 203

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson A

COMPLIANCE SCHEDULE

Final Plans	3/31/75
Begin Const.	6/30/75
Comp. Const.	3/31/76
Op. Level	5/1/76

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

Permit modification allows for discontinuing the use of outfall 001 for treated waste water
Plans are to convert to spray irrigation

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

POINT SOURCE INFORMATION

NAME Kent Cheese Co. CWD-002

MAP REFERENCE NO: 11
CONTROL NO: 6229
REGISTRATION NO: PWN 177 02
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Unnamed field drain tile to Yellow Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003476
EFFECTIVE DATE: 3/21/76
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/7°

EFFLUENT LIMITATIONS:

002 INTERIM FINAL
BOD
TSS
F COLI/100 ML
NH_3-N

Limited to non-contact cooling water

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson A

COMMENTS

CWD

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME King Seeley Thermos - 001
MAP REFERENCE NO: 16
CONTROL NO: 6233
REGISTRATION NO: PW 177 10
COUNTY: Stephenson
BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Unnamed trib. to Pecatonica R. to Rock R.
STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .07

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003905
EFFECTIVE DATE: 1/6/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 10/31/78

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD		
TSS (mg/l)		15 DM
F COLI/100 ML		
NH_3-N		
Temp		Rule 203(i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson B

GRANT INFORMATION

PROJECT DESCRIPTION:
PROJECT NO:

TOTAL COST:
PRIORITY RANK:

COMMENTS

Cooling Water

Manufactures Bar-B-Q grills and steel toys

OPERATOR CERTIFICATION

PRESENT:
NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME King Seeley Thermos - 002
MAP REFERENCE NO: 16
CONTROL NO: 6233
REGISTRATION NO: PW 177 12
COUNTY: Stephenson
BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Unnamed trib. to Pecatonica R. to Rock R.
STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .07

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003905
EFFECTIVE DATE: 1/6/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 10/31/7°

EFFLUENT LIMITATIONS:

002	INTERIM	FINAL
BOD		
TSS (mg/l)		15 DM
F COLI/100 ML		
NH_3-N		
Temp		Rule 203(i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Cooling Water

Manufactures Bar-B-Q grills and steel toys

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Lake Summerset Subd STW

MAP REFERENCE NO: 28
CONTROL NO: 6174
REGISTRATION NO: PWBA 201 02
COUNTY: Winnebago

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: South Fork Otter Ck. to Sugar R. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .4

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	29	11	18.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .2

AVERAGE FLOW (MGD): .031

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0048593 Draft
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		10
TSS (mg/l)		12
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago B

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Lena STW

MAP REFERENCE NO: 9 BASIN: Rock
CONTROL NO: 6249
REGISTRATION NO: PWN 177 01
COUNTY: Stephenson SEGMENT: A-06

RECEIVING STREAM: Unnamed ditch trib. to Yellow Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Primary clarification
Trickling filter
Storage lagoon
Bed filter, Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	110	41	26

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.30

AVERAGE FLOW (MGD): 0.18

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0024945
EFFECTIVE DATE: 2/28/75
INTERIM LIMIT. DATE: 6/30/75
EXPIRATION DATE: 6/30/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	30	10
TSS (mg/l)	37	12
F COLI/100 ML	200	200
NH_3-N	Rule 203(f)	

PLANNING AREAS

PLANNING AREA
201: Lena FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson A

COMPLIANCE SCHEDULE

Comp. Const.	5/31/75
Op. Level	6/30/76

GRANT INFORMATION

PROJECT DESCRIPTION: 21

PROJECT NO: C17 1775

TOTAL COST: $278,000

PRIORITY RANK: FY'76 808

COMMENTS

Pfeffer exemption granted 8/26/75

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Modern Plating Corp

MAP REFERENCE NO: 18
CONTROL NO: 6291
REGISTRATION NO: PW 177 03
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 181

FACILITY INFORMATION

TREATMENT TYPE: Cyanide rinse
Chromate rinse
Clarifier

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .74

AVERAGE FLOW (MGD): .6

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003298
EFFECTIVE DATE: 10/30/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/l)		15(DM)
F COLI/100 ML		
NH_3-N		
TDS (mg/l)		750 Net
Cyanide (mg/l)		.025(DM)
Chromium (hex) (mg/l)		.3(DM)
Cadium (mg/l)		.15(DM)
Iron (tot) (mg/l)		2.0(DM)
Copper (mg/l)		.15(DM)
Nickel (mg/l)		1.0(DM)
Zinc (mg/l)		1.0(DM)

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson B

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Northern Hills Subd.

MAP REFERENCE NO: 19
CONTROL NO: 6253
REGISTRATION NO: PW 177 09
COUNTY: Stephenson

BASIN: Rock

SEGMENT: A-06

RECEIVING STREAM: Unnamed trib. to Yellow Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .464

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .06

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0036030
EFFECTIVE DATE: 7/18/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson B

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Orangeville STW

MAP REFERENCE NO: 2
CONTROL NO: 6259
REGISTRATION NO: PWP 177 03
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Richland Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .800

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge package plant
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.08

AVERAGE FLOW (MGD): 0.04

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0024805
EFFECTIVE DATE: 6/28/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 4/30/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30(MA)
TSS (mg/l)		30(MA)
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Orangeville FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Pearl City Lagoon

MAP REFERENCE NO: 12 BASIN: Rock
CONTROL NO: 6337
REGISTRATION NO: PWN 177 04
COUNTY: Stephenson SEGMENT: A-06

RECEIVING STREAM: Yellow Ck. trib. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 10.5

FACILITY INFORMATION

TREATMENT TYPE: One cell lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	110	90	7.8

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .075

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0030562
EFFECTIVE DATE: 4/11/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 1/31/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	30(MA)	30(MA)
TSS (mg/l)	30(MA)	30(MA)
F COLI/100 ML	200	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Pearl City FPA
208:

DESIGNATED LEAD AGENCY (201): Pearl City

FPA MAP REFERENCE: Stephenson A

COMPLIANCE SCHEDULE

Final Plans 5 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 9 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: 049

PROJECT NO: C17 1790

TOTAL COST: $70,600

PRIORITY RANK: FY'76 357

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Pecatonica STW

MAP REFERENCE NO: 31
CONTROL NO: 6266
REGISTRATION NO: PW 201 01
COUNTY: Winnebago

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 252

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.50

AVERAGE FLOW (MGD): 0.33

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0030571
EFFECTIVE DATE: 4/24/75
INTERIM LIMIT. DATE: 7/31/75
EXPIRATION DATE: 8/31/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	50(MA)	30(MA)
TSS (mg/1)	100(MA)	30(MA)
F COLI/100 ML	200	200
NH_3-N		

#002 Bypass/overflow control & treatment dependent on auxiliary funding

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Pecatonica FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Pleasant Hill Cheese

MAP REFERENCE NO: 3
CONTROL NO: 6350
REGISTRATION NO: PWPB 177 02
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, seepage lagoon

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): No discharge

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No surface discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Pleasant View Dairy

MAP REFERENCE NO: 25
CONTROL NO: 6347
REGISTRATION NO: PWI 177 01
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Rock Run Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1.3

FACILITY INFORMATION

TREATMENT TYPE: 2 septic tanks
2 aerated lagoons

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .005

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson C

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Rock City STW

MAP REFERENCE NO: 26
CONTROL NO: 6278
REGISTRATION NO: PWI 177 03
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Unnamed trib. of Rock Run Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3 cell lagoon
Rock filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.040

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0048046
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 9/30/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30(MA)
TSS (mg/l)		30(MA)
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rock City FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson C

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
39	C17 1824
22	C17 1826

TOTAL COST:	PRIORITY RANK:
$181,000	FY'76 538
128,500	FY'76 1001

COMMENTS

Lagoon exemption granted 3/17/75

Proposed plant

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Shannon STW

MAP REFERENCE NO: 14 BASIN: Rock
CONTROL NO: 6387
REGISTRATION NO: PWNB 015 01
COUNTY: Carroll SEGMENT: A-06

RECEIVING STREAM: Lost Ck. to Yellow Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Imhoff, trickling filter

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	95	60	17

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.22

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0024953
EFFECTIVE DATE: 1/11/74
INTERIM LIMIT. DATE: 6/30/77
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	30	10(MA)
TSS (mg/l)	37	12(MA)
F COLI/100 ML	400	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Shannon FPA
208:

DESIGNATED LEAD AGENCY (201): Shannon

FPA MAP REFERENCE: Carroll B

COMPLIANCE SCHEDULE

Final Plans	6/30/75
Begin Const.	12/31/75
Comp. Const.	6/30/77
Op. Level	6/30/77

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

391020 C17 1262

TOTAL COST: PRIORITY RANK:

$275,000 FY'76 112

COMMENTS

Chapter 3 indicates 4/5

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Spring Brook Cheese

MAP REFERENCE NO: 27
CONTROL NO: 6392
REGISTRATION NO: PWBA 177 01
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Lagoon
Land application

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No discharge to surface waters

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Stephenson Mobile Home

MAP REFERENCE NO: 13
CONTROL NO: 6398
REGISTRATION NO: PWO 177 01
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Preston Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3 cell aerated lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.024

AVERAGE FLOW (MGD): No discharge

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0046329 Draft
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Proposed plant not constructed yet

Lagoon exemption granted 2/25/75

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Stockton Mfg. Co

MAP REFERENCE NO: 10
CONTROL NO: 6048
REGISTRATION NO: PWN 085 01
COUNTY: JoDaviess

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Unnamed ditch trib. to Yellow Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Chemical treatment (including chlorination)
Settling tank

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): 0.110

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003751
EFFECTIVE DATE: 5/28/75
INTERIM LIMIT. DATE: 3/31/77
EXPIRATION DATE: 1/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	25	4
TSS (mg/1)	60	5
F COLI/100 ML	200	200
NH_3-N (mg/1)		1.5
Zn (mg/1)	1.0DA	1.0DM
Oil & grease(mg/1)	15DA	15DM
TDS (mg/1)		750 Net DM
Temp		Rule 203

See permit for other limits

COMPLIANCE SCHEDULE

Final Plans	12/31/75
Begin Const.	2/29/76
Comp. Const.	2/28/77
Op. Level	4/1/77

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Process water, CWD and septic tank overflow

Metal stampings for automobile hardware

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME: Winnebago STW

MAP REFERENCE NO: 32 BASIN: Rock
CONTROL NO: 6382
REGISTRATION NO: PWF 201 01
COUNTY: Winnebago SEGMENT: A-06

RECEIVING STREAM: Coolridge Ck. to Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization
Polishing lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	31	55	17.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.3

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0020672
EFFECTIVE DATE: 11/30/73
INTERIM LIMIT. DATE: 12/31/74
EXPIRATION DATE: 10/29/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	30	4
TSS (mg/l)	30	5
F COLI/100 ML	200	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Winnebago FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago B

COMPLIANCE SCHEDULE

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Winslow STW

MAP REFERENCE NO: 1
CONTROL NO: 6455
REGISTRATION NO: PW 177 11
COUNTY: Stephenson

BASIN: Rock
SEGMENT: A-06

RECEIVING STREAM: Pecatonica R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 152.94

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization
Activated sludge

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .047

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0048259 Draft
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Winslow FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Plant under construction. Not in operation yet

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Ledges Country Club Lot 5

MAP REFERENCE NO: 5
CONTROL NO: 6186
REGISTRATION NO: PT 201 01
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-01

RECEIVING STREAM: South Kinnikinnick Ck. to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .7

FACILITY INFORMATION

TREATMENT TYPE: Septic tank
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .009

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:
Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Rockton SD

MAP REFERENCE NO: 3
CONTROL NO: 6406
REGISTRATION NO: P 201 03
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-01

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 235

FACILITY INFORMATION

TREATMENT TYPE: Oxidation ditch
Polishing lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.50

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0030791
EFFECTIVE DATE: 3/28/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 9/30/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

Residual Chlorine
Min. of .2 mg/1
Max. of .75 mg/1

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockton FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME: Sonoco Prod. - Rockton

MAP REFERENCE NO: 2
CONTROL NO: 6299
REGISTRATION NO: P 201 06
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-01

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 235

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Sludge beds
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .35

AVERAGE FLOW (MGD): .077

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0037583
EFFECTIVE DATE: 5/28/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 10/31/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N (mg/1)		1.5
TDS (mg/1)	750	Net
Cadmium (tot)(mg/1)		.15
Copper (tot)(mg/1)		1.0
Zinc (tot)(mg/1)		1.0
Phenols (mg/1)		.3
Oil & grease (mg/1)		15.

PLANNING AREAS

PLANNING AREA
201: Rockton FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

COMMENTS

Paper products (SIC 2631)
Process water and Boiler blow-down.

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME South Beloit STW

MAP REFERENCE NO: 1
CONTROL NO: 6310
REGISTRATION NO: P 201 04
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-01

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 235

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge, polishing lagoon, Chlorination, Aerobic digester, sludge beds

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 1.0

AVERAGE FLOW (MGD): 3.2

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0021156
EFFECTIVE DATE: 6/30/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 1/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		20
TSS (mg/l)		25
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: South Beloit FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

COMPLIANCE SCHEDULE
Final plans 3 mos after Step II
Begin const 3 mos. after Step III
Comp const. 9 mos after begin
Op. Level 1 mo after comp.

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
1	C17 2050
20	C17 2050

TOTAL COST:	PRIORITY RANK:
$240,400	FY'76 407
$245,500	FY'76 429

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME: Warner Elec Brake 001

MAP REFERENCE NO: 4
CONTROL NO: 6372
REGISTRATION NO: PU 201 01
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-01

RECEIVING STREAM: North Kinnikinnick Ck., to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .7

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
Chlorination
Gravel pit for seepage-Evap.

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	9	25	1.4

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .0075

AVERAGE FLOW (MGD): .01

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0002984
EFFECTIVE DATE: 7/6/75
INTERIM LIMIT. DATE: 12/1/76
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD (mg/1)	50	4
TSS (mg/1)	50	5
F COLI/100 ML		200
NH_3-N		
Oil & grease (mg/1)	15(DM)	15 (DM)

PLANNING AREAS

PLANNING AREA
201: Roscoe FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

COMPLIANCE SCHEDULE

Begin const.	8/31/75
Comp. const.	10/31/76
Op. Level	12/1/76

COMMENTS

Combined 001A & B
Chapter 3 indicates 30/30

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Warner Elec Brake - 001A

MAP REFERENCE NO: 4
CONTROL NO: 6372
REGISTRATION NO: PU 201 --
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-01

RECEIVING STREAM: North Kinnikinnick Ck., to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .7

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
Chlorination
Polishing ponds

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .02

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0002984
EFFECTIVE DATE: 7/6/75
INTERIM LIMIT. DATE: 12/1/76
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:
001A

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Roscoe FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

COMPLIANCE SCHEDULE

Begin const.	8/31/75
Comp. const.	10/31/76
Op. Level	12/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Sanitary wastewater

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME: Warner Elec Brake - 001B

MAP REFERENCE NO: 4
CONTROL NO: 6372
REGISTRATION NO: PU 201 --
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-01

RECEIVING STREAM: North Kinnikinnick Ck., to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .7

FACILITY INFORMATION

TREATMENT TYPE: Oil & grease removal

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .72

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0002984
EFFECTIVE DATE: 7/6/75
INTERIM LIMIT. DATE: 12/1/76
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:
001B

	INTERIM	FINAL
BOD		
TSS (mg/1)		15 (DM)
F COLI/100 ML		
NH_3-N		
Oil & grease		15 (DM)

PLANNING AREAS

PLANNING AREA
201: Roscoe FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

COMPLIANCE SCHEDULE

Begin const.	8/31/75
Comp. const.	10/31/76
Op. Level	12/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Industrial wastewater = .18 MGD
Cooling water = .54 MGD

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Amerock Corp - Rockfrd CWD
MAP REFERENCE NO: 7
CONTROL NO: 6006
REGISTRATION NO: PS 201 02
COUNTY: Winnebago
BASIN: Rock River
SEGMENT: B-02

RECEIVING STREAM: Kent Ck., to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003344
EFFECTIVE DATE: 9/19/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203 (i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

COMMENTS

Non-contact cooling water

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME: Barber - Colman Loves Pk 001

MAP REFERENCE NO: 4
CONTROL NO: 6034
REGISTRATION NO: P 201 17
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Drainage ditch to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .0115

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003468
EFFECTIVE DATE: 2/20/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 10/31/78

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

Temp. - receiving water temp. Not to exceed 60°F Nov. to March, and 90°F remaining months

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D

FPA MAP REFERENCE: Winnebago C

COMMENTS

Outfalls 001, 002, 003
Contact cooling water

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Barber - Colman Loves Pk 002

MAP REFERENCE NO: 4
CONTROL NO: 6034
REGISTRATION NO: P 201 34
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Drainage ditch to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .0864

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003468
EFFECTIVE DATE: 2/20/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 10/31/78

EFFLUENT LIMITATIONS:
002

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

Temp. - receiving water temp Not to exceed 60°F Nov. to March, and 90°F remaining months

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Outfalls 001, 002, 003
Contact cooling water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME: Barber - Colman Loves Pk 003

MAP REFERENCE NO: 4
CONTROL NO: 6034
REGISTRATION NO: P 201 35
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Drainage ditch to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .0115

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003468
EFFECTIVE DATE: 2/20/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 10/31/78

EFFLUENT LIMITATIONS:
003

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

Temp. - receiving water temp. Not to exceed 60°F Nov. to March, and 90°F remaining months

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

COMMENTS

Outfalls 001, 002. 003
Contact cooling water

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Barber - Colman - Rockfd CWD

MAP REFERENCE NO: 17
CONTROL NO: 6038
REGISTRATION NO: P 201 16
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Private storm sewer to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 860

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .290

AVERAGE FLOW (MGD): 0.31

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003301
EFFECTIVE DATE: 3/5/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 10/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

- No effluent limitations specified
- Monitoring requirement for flow and temperature

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

COMMENTS

Non-contact cooling water, Inlet water from municipal water system

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Barnes John S Corp - CWD

MAP REFERENCE NO: 18
CONTROL NO: 6014
REGISTRATION NO: P 201 30
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Storm sewer to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 860

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .050 (Max)

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0036188 Draft
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
TDS (mg/1)		750 Net
Temp.		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Non-contact cooling water discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Bartels Gordon Co-CWD

MAP REFERENCE NO: 19
CONTROL NO: 6016
REGISTRATION NO: P 201 01
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Storm sewer to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 860

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .014

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0049255 Draft
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N.		
Temp.		Rule 203
TDS (mg/l)		750 Net (DM)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME: Borg Warner-Rockford CWD

MAP REFERENCE NO: 12
CONTROL NO: 6025
REGISTRATION NO: P 201 15
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Surface storm drainage ditch to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0.0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): 0.160

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003883
EFFECTIVE DATE: 12/12/73
INTERIM LIMIT. DATE:
EXPIRATION DATE: 9/30/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

Temp. - discharge water temp. Not to exceed 60°F from Dec. to March, and 90°F rest of the months

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

COMMENTS

Non-contact cooling water

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Byron STW

MAP REFERENCE NO: 24
CONTROL NO: 6075
REGISTRATION NO: P 141 01
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1080

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization
Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.36

AVERAGE FLOW (MGD): 0.285

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0027804
EFFECTIVE DATE: 6/9/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 1/1/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201 Byron FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME: Caledonia Elem. Sch

MAP REFERENCE NO: 1
CONTROL NO: 6017
REGISTRATION NO: PZZI 007 01
COUNTY: Boone

BASIN: Rock River
SEGMENT: B-02

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank
Tile field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

COMMENTS

No discharge to surface waters

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Carnation Co. - Oregon CWD
MAP REFERENCE NO: 36
CONTROL NO: 6047
REGISTRATION NO: P 141 08
COUNTY: Ogle
BASIN: Rock River
SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1,100

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .08

SEWER TYPE:

OVERFLOW FREQUENCY:

PLANNING AREAS

PLANNING AREA
201: Oregon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

PERMIT INFORMATION

NPDES #IL 0003361
EFFECTIVE DATE: 1/3/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 7/1/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Chlorine (res.)(mg/1)		.01 (DM)
Temp.		See permit

- the water discharge temp. shall be limited after 1/1/75

COMPLIANCE SCHEDULE

Final plans	3/1/74
Begin const.	5/1/74
Comp. const.	12/1/74
Op. Level	12/31/74

COMMENTS

Cooling water only

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Commonw Ed-Bryon Nuclear

MAP REFERENCE NO: 31 BASIN: Rock
CONTROL NO: 6053
REGISTRATION NO: PZZB 141 --
COUNTY: Ogle SEGMENT: B-02

RECEIVING STREAM: Woodland Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Tertiary filtration
Holding lagoon

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.022

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0048313 Draft
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Will discharge to Rock River when construction complete. (P 141 03)

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Commonw Ed - Sabrooke OF 002

MAP REFERENCE NO: 20
CONTROL NO: 6054
REGISTRATION NO: P 201 09
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 869

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003042
EFFECTIVE DATE: 5/2/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 9/1/78

EFFLUENT LIMITATIONS:
002

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Chlorine (res.)	See permit	
Temp.	Rule 203 (i)	

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

COMMENTS

002 - condenser cooling water

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME: Commonw Ed - Sabrooke OF 005

MAP REFERENCE NO: 20
CONTROL NO: 6054
REGISTRATION NO: P 201 11
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 869

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003042
EFFECTIVE DATE 5/2/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 9/1/78

EFFLUENT LIMITATIONS:
005

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203 (i)
Oil & grease (mg/1)		10

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

COMMENTS

004 & 005 Auxiliary equipment cooling water and boiler blowdown

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Commonw Ed - Sabrooke OF 004

MAP REFERENCE NO: 20
CONTROL NO: 6054
REGISTRATION NO: P 201 10
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 869

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003042
EFFECTIVE DATE: 5/2/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 9/1/78

EFFLUENT LIMITATIONS:
004

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203 (i)
Oil & grease(mg/1)		10

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

004 & 005 Auxiliary equipment cooling water and boiler blowdown

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Dean Dye Apts. - STK

MAP REFERENCE NO: 34
CONTROL NO: 6072
REGISTRATION NO: P 141 06
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: 4 septic tanks
Tile field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

COMMENTS

No discharge to surface waters

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Dean food Co. - Rockford

MAP REFERENCE NO: 10
CONTROL NO: 6063
REGISTRATION NO: PS 201 03
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Storm sewer to ditch to Kent Ck. to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003841
EFFECTIVE DATE: 6/30/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 2/28/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203 (i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Cooling water discharge that has some BOD in it from their evaporation condenser

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Forreston STW

MAP REFERENCE NO: 28
CONTROL NO: 6156
REGISTRATION NO: PN 141 01
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Unnamed trib. to Leaf River, to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization
3 polishing ponds
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	55	22	19.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .23

AVERAGE FLOW (MGD): .20

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0022721
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 3/15/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		Rule 203

PLANNING AREAS

PLANNING AREA
201: Forreston FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle A

COMPLIANCE SCHEDULE

COMMENTS

Lagoon exemption granted 1/25/73

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Gem Surburban Inc.

MAP REFERENCE NO: 23
CONTROL NO: 6118
REGISTRATION NO: P 201 05
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 870

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Extended aeration
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .025

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0034461
EFFECTIVE DATE: 7/18/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 4/30/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

COMMENTS

Trailer court

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME German Valley STW

MAP REFERENCE NO: 29
CONTROL NO: 6187
REGISTRATION NO: PNA 177 01
COUNTY: Stephenson

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Mud Ck., to Leaf River, to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization
Activated sludge
Polishing pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.04

AVERAGE FLOW (MGD): 0.009

SEWER TYPE: Separate

OVERFLOW FREQUENCY: None

PERMIT INFORMATION

NPDES #IL 0024821
EFFECTIVE DATE: 11/30/73
INTERIM LIMIT. DATE: 7/1/77
EXPIRATION DATE: 10/29/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	10	4
TSS (mg/1)	12	5
F COLI/100 ML	200	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: German Valley FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson C

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

POINT SOURCE INFORMATION

NAME Ingersoll Mill Mach. - CWD

MAP REFERENCE NO: 6
CONTROL NO: 6164
REGISTRATION NO: P 201 12
COUNTY: Winnebago

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Storm sewer to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 854

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .72 (MAX)

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003697
EFFECTIVE DATE: 5/9/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/1)		15 DM
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

COMMENTS

Non-contact cooling water

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Leaf River STW

MAP REFERENCE NO. 30
CONTROL NO: 6246
REGISTRATION NO: PN 141 02
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Leaf River, to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 6.6

FACILITY INFORMATION

TREATMENT TYPE: Chlorination, Trickling filter, Final clarifier, Two cell tertiary lagoon, Sludge dry beds

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	140	46	28.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .1

AVERAGE FLOW (MGD): .05

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0029475
EFFECTIVE DATE: 4/11/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 11/1/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Leaf River FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle A

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

POINT SOURCE INFORMATION

NAME Maxson Manor Restr - STK

MAP REFERENCE NO: 32
CONTROL NO: 6237
REGISTRATION NO: P 141 07
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Oregon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No discharge to surface waters

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME NIU - Lorado Taft STW

MAP REFERENCE NO: 33
CONTROL NO: 6252
REGISTRATION NO: P 141 04
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Unnamed trib., to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.014

AVERAGE FLOW (MGD): .008

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0025836
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

POINT SOURCE INFORMATION

NAME Oregon STW

MAP REFERENCE NO: 35
CONTROL NO: 6330
REGISTRATION NO: P 141 02
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1,100

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.56

AVERAGE FLOW (MGD): .17

SEWER TYPE: Combined

OVERFLOW FREQUENCY: Frequent

PERMIT INFORMATION

NPDES #IL 0020184
EFFECTIVE DATE: 6/30/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 6/1/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Oregon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

COMPLIANCE SCHEDULE
For storm flow treatment
Final plans 6 mos. after Step II
Begin const. 3 mos. after Step III
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
120	C17 1818
202122	C17 1818
22	C17 1818

TOTAL COST:	PRIORITY RANK:
$540,000	FY'76 800
$701,000	FY'76 809
$ 79,000	FY'76 1142

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Pierce Chem. Co. - 001 CWD
MAP REFERENCE NO: 8
CONTROL NO: 6270
REGISTRATION NO: PSB 201 02
COUNTY: Winnebago
BASIN: Rock River
SEGMENT: B-02

RECEIVING STREAM: Unnamed trib., to North Fork of Kent Ck., to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003191
EFFECTIVE DATE: 4/6/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 6/1/77

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203 (i)
TDS (mg/l)		750 Net

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford S. D.

FPA MAP REFERENCE: Winnebago C

COMMENTS

#001 Non-contact cooling water

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Pierce Chem. Co.-002 PWD

MAP REFERENCE NO: 8
CONTROL NO: 6270
REGISTRATION NO: PSB 201 05
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Unnamed trib. to North Fork of Kent Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003191
EFFECTIVE DATE: 4/6/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 6/1/77

EFFLUENT LIMITATIONS:

002

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		
NH_3-N		

Discharge allowed only when dilution ratio is greater than 5:1

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

#002 - process waste water

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Progressive Steel CWD

MAP REFERENCE NO: 3
CONTROL NO: 6349
REGISTRATION NO: P 201 22
COUNTY: Winnebago

BASIN: Rock

SEGMENT: B-02

RECEIVING STREAM: Storm sewer to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 843

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0046566
EFFECTIVE DATE: 7/6/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 4/30/80

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
TDS		Rule 203
Temp.		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

Non-contact cooling water

Heat treating of metals (SIC 3398)

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

POINT SOURCE INFORMATION

NAME Quaker Oats CWD-Rockford
MAP REFERENCE NO: 22
CONTROL NO: 6351
REGISTRATION NO: P 201 13
COUNTY: Winnebago
BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 869

FACILITY INFORMATION

TREATMENT TYPE: Cooling pond

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): 0.4

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0037877
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 3/31/79

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD		
TSS (mg/l)		15(DM)
F COLI/100 ML		
NH_3-N		
TDS (mg/l)	750 Net (DM)	
Oil & grease (mg/l)		15(DM)
Temp.		Rule 203(i)

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

COMPLIANCE SCHEDULE

Prelim. Plans	12/1/75
Final Plans	4/1/76
Begin Const.	5/1/76
Comp. Const.	1/1/77
Op. Level	1/31/77

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

#001 - Cooling water discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Quaker Oats PWD-Rockford

MAP REFERENCE NO: 22
CONTROL NO: 6353
REGISTRATION NO: P 201 14
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 869

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0037877
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT, DATE: 1/31/77
EXPIRATION DATE: 3/31/79

EFFLUENT LIMITATIONS:

002	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)		15(DM)

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

COMPLIANCE SCHEDULE

Prelim. Plans	12/1/75
Final Plans	4/1/76
Begin Const.	5/1/76
Comp. Const.	1/1/77
Op. Level	2/1/77

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

#002 - Rainfall runoff from plant unloading area

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Quality Metal Finishing

MAP REFERENCE NO: 26
CONTROL NO: 6339
REGISTRATION NO: P 141 05
COUNTY: Ogle

BASIN: Rock

SEGMENT: B-02

RECEIVING STREAM: Byron storm sewer to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1070

FACILITY INFORMATION

TREATMENT TYPE: Chemical treatment

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.192

AVERAGE FLOW (MGD): .096

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003581
EFFECTIVE DATE: 5/20/75
INTERIM LIMIT. DATE: 4/30/76
EXPIRATION DATE: 4/30/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/l)		15(DM)
F COLI/100 ML		
NH_3-N		
Cyanide (mg/l)	.025(DM)	.025(DM)
Cr (hex) (mg/l)		.3(DM)
Cr (tri) (mg/l)		1.0(DM)
Copper (mg/l)	1.0(DM)	1.0(DM)
Nickel (mg/l)	2.0(DM)	1.0(DM)
Zinc (mg/l)	1.0(DM)	1.0(DM)

COMPLIANCE SCHEDULE

Final Plans	7/31/75
Begin Const.	9/15/75
Comp. Const.	3/31/76
Op. Level	5/1/76

PLANNING AREAS

PLANNING AREA
201: Byron FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

COMMENTS

Process water

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Rock Cut State Park STW
MAP REFERENCE NO: 2
CONTROL NO: 6277
REGISTRATION NO: PZZI 201 01
COUNTY: Winnebago
BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Willow Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .0045

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:
PROJECT NO:

TOTAL COST:
PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:
NEEDED:

POINT SOURCE INFORMATION

NAME Rockford Bakeries CWD

MAP REFERENCE NO: 15
CONTROL NO: 6366
REGISTRATION NO: P 201 23
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Storm sewer to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 8 50

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .05

AVERAGE FLOW (MGD): .03

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0048011
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 5/31/80

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Non-contact cooling water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Rockford Baptist H.S.-STK MAP REFERENCE NO: 9 BASIN: Rock
CONTROL NO: 6371
REGISTRATION NO: PSA 201 02
COUNTY: Winnebago SEGMENT: B-02

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, disposal field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .003

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No surface discharge

Was PWF 201 02

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS 3/26/76

POINT SOURCE INFORMATION

NAME Rockford Newspaper Inc.
CW-001

MAP REFERENCE NO: 14
CONTROL NO: 6368
REGISTRATION NO: P 201 20
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 854

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .02

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003611
EFFECTIVE DATE: 5/9/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp	Monitor	

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Air conditioning cooling water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Rockford Newspaper Inc.
CW-002

MAP REFERENCE NO: 14
CONTROL NO: 6368
REGISTRATION NO: P 201 32
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 854

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .03

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003611
EFFECTIVE DATE: 5/9/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:

002

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.	Monitor	

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Air conditioning cooling water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141 PSS

3/26/76

POINT SOURCE INFORMATION

NAME Rockford Newspaper Inc.
CW-003

MAP REFERENCE NO: 14
CONTROL NO: 6368
REGISTRATION NO: P 201 33
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 854

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003611
EFFECTIVE DATE: 5/9/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:

003	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.	Monitor	

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Air conditioning cooling water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Rockford S.D.

MAP REFERENCE NO: 21
CONTROL NO: 6279
REGISTRATION NO: P 201 02
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 854

FACILITY INFORMATION

TREATMENT TYPE: Trickling filter
Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 60.2

AVERAGE FLOW (MGD): 45

SEWER TYPE: Combined & separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0027201
EFFECTIVE DATE: 9/23/74
INTERIM LIMIT, DATE: 11/1/75
EXPIRATION DATE: 9/30/77

EFFLUENT LIMITATIONS:

001	INTERIM	FINAL
BOD (mg/l)	20	20
TSS (mg/l)	25	25
F COLI/100 ML	200	200
NH_3-N		

Others: See permit

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

COMMENTS

Bypass/overflows #002 - 011

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
20	C17 1497
21	C17 -
1	- -

TOTAL COST:	PRIORITY RANK:
$500,000	FY'76 535
-	FY'76 70
-	FY'76 71

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Seward S.D.

MAP REFERENCE NO: 27
CONTROL NO: 6293
REGISTRATION NO: PO 201 01
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Mill Ck.-North, to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 1-cell aerated lagoon

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	60	120	20

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .03

AVERAGE FLOW (MGD): .024

SEWER TYPE: Separate

OVERFLOW FREQUENCY: 2 per year

PERMIT INFORMATION

NPDES #IL 0038555
EFFECTIVE DATE: 7/23/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 6/1/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	90	4
TSS (mg/l)	90	5
F COLI/100 ML		200
NH_3-N		Rule 203

PLANNING AREAS

PLANNING AREA
201: Seward FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago B

COMPLIANCE SCHEDULE

Final Plans 6 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 18 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Smith Oil Co.-Rockford

MAP REFERENCE NO: 11
CONTROL NO: 6303
REGISTRATION NO: PSB 201 03
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: North Branch Kent Ck. trib. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1.0

FACILITY INFORMATION

TREATMENT TYPE: Oil separator

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.140

AVERAGE FLOW (MGD): 0.0

SEWER TYPE: Combined

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0045519
EFFECTIVE DATE: 7/6/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 10/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)		15(DM)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Stillman Valley STW

MAP REFERENCE NO: 25
CONTROL NO: 6402
REGISTRATION NO: PP 141 01
COUNTY: Ogle

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Stillman Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .7

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank
Trickling filter
Aerated lagoon
Polishing lagoon

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	60	170	27

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): Present = .05
Proposed = 0.2

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0031275
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT. DATE: 12/31/76
EXPIRATION DATE: 10/31/78

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD (mg/l)	50	10
TSS (mg/l)	50	12
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Stillman Valley FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMPLIANCE SCHEDULE

Begin Const.	9/1/75
Comp. Const.	12/1/76
Op. Level	1/1/77

GRANT INFORMATION

PROJECT DESCRIPTION: 3710

PROJECT NO: C17 1226

TOTAL COST: $327,600

PRIORITY RANK: FY'76 115

COMMENTS

#002 - Bypass-outfall to be eliminated by 1/1/77

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Sun Heat Treating-Rockfrd

MAP REFERENCE NO: 13
CONTROL NO: 6401
REGISTRATION NO: PSA 201 01
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Storm sewer to South Branch of Kent Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .048

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0046752
EFFECTIVE DATE: 6/21/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 3/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.	Rule 203(i)	
TDS (mg/1)	750 Net	

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

CWD - non-contact

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Twin Disc, Inc. CWD-001

MAP REFERENCE NO: 37
CONTROL NO: 6425
REGISTRATION NO: PS 201 01
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Rockford storm sewer to Kent Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .178

AVERAGE FLOW (MGD): .103

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003654
EFFECTIVE DATE: 7/17/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 4/30/79

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD		
TSS (mg/l)		15
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)		15
Temp		Rule 203(i)
TDS (mg/l)		750 Net

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

COMMENTS

Non-contact cooling water

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Twin Disc, Inc. CWD-002

MAP REFERENCE NO: 37
CONTROL NO: 6425
REGISTRATION NO: PS 201 04
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Rockford storm sewer to Kent Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .178

AVERAGE FLOW (MGD): .01

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003654
EFFECTIVE DATE: 7/17/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 4/30/79

EFFLUENT LIMITATIONS:

002	INTERIM	FINAL
BOD		
TSS (mg/l)		15
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)		15
Temp.		Rule 203(i)
TDS (mg/l)		750 Net

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Non-contact cooling water

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Twin Disc, Inc. CWD-003

MAP REFERENCE NO: 37
CONTROL NO: 6425
REGISTRATION NO: PS 201 05
COUNTY: Winnebago

BASIN: Rock

SEGMENT: B-02

RECEIVING STREAM: Rockford storm sewer to Kent Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .178

AVERAGE FLOW (MGD): .03

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003654
EFFECTIVE DATE: 7/17/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 4/30/79

EFFLUENT LIMITATIONS:

003

	INTERIM	FINAL
BOD		
TSS (mg/l)		15
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)		15
Temp.		Rule 203(i)
TDS (mg/l)		750 Net

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

Non-contact cooling water

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Valspar Corp-Rockfrd CWD

MAP REFERENCE NO: 16
CONTROL NO: 6435
REGISTRATION NO: P 201 18
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 859

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003671
EFFECTIVE DATE: 11/10/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 5/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp		Rule 203(i)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

CWD

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Warner-Lambert Co.

MAP REFERENCE NO: 5
CONTROL NO: 6448
REGISTRATION NO: P 201 07
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-02

RECEIVING STREAM: Ditch to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003689
EFFECTIVE DATE: 6/29/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 5/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/l)		15 DM
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201): Rockford SD

FPA MAP REFERENCE: Winnebago C

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

CWD

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Castellan Development

MAP REFERENCE NO: 14
CONTROL NO: 6050
REGISTRATION NO: P 103 13
COUNTY: Lee

BASIN: Rock
SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1150

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .017

AVERAGE FLOW (MGD): .009

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0045551 Draft
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Commonw Ed-Dixon-001 CWD

MAP REFERENCE NO: 11
CONTROL NO: 6061
REGISTRATION NO: P 103 08
COUNTY: Lee

BASIN: Rock
SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1140

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003026
EFFECTIVE DATE: 10/30/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 7/1/78

EFFLUENT LIMITATIONS:

001	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Chlorine Residual(tot)(mg/l)		.2*
Temp.	See permit	

*Not to exceed 2 hours/day total from 1 Unit

COMPLIANCE SCHEDULE

Prelim. Plans	1/1/75
Final Plans	8/1/75
Begin Const.	5/1/76
Comp. Const.	5/1/77
Op. Level	7/1/77

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

001 - Condenser Cooling Water
Boiler Blowdown
Plant house - Service water
Evaporation Blowdown

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Commonw Ed-Dixon-002 DEM

MAP REFERENCE NO: 11
CONTROL NO: 6061
REGISTRATION NO: P 103 16
COUNTY: Lee

BASIN: Rock
SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1140

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003026
EFFECTIVE DATE: 9/30/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 7/1/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Sulfuric Acid(lbs/dy)	350*	350*
Sodium Hydroxide(lbs/dy)	150*	150*

*Limits contingent on Commonw current study

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

COMPLIANCE SCHEDULE

Final Plans	7/1/75
Begin Const.	9/1/75
Op. Level	12/31/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

002 - Demineralizer system effluent

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

N. 'E Commonw Ed-Dixon-002 SAN

MAP REFERENCE NO: 11
CONTROL NO: 6061
REGISTRATION NO: P 103 14
COUNTY: Lee

BASIN: Rock
SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1140

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003026
EFFECTIVE DATE: 9/30/74
INTERIM LIMIT. DATE: 12/31/76
EXPIRATION DATE: 7/1/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/l)	63	15(DM)
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)	10	10

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

COMPLIANCE SCHEDULE

Final Plans 7/1/75
Begin Const. 9/1/75
Op. Level 12/31/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

#002 - Sewer discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Commonw Ed-Dixon-003 ASH

MAP REFERENCE NO: 11
CONTROL NO: 6061
REGISTRATION NO: P 103 15
COUNTY: Lee

BASIN: Rock

SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1140

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003026
EFFECTIVE DATE: 9/30/74
INTERIM LIMIT. DATE: 12/31/74
EXPIRATION DATE: 7/1/78

EFFLUENT LIMITATIONS:

003	INTERIM	FINAL
BOD		
TSS (mg/l)	54	15 (DM)
F COLI/100 ML		
NH_3-N		
Oil & grease (mg/l)	10	10

COMPLIANCE SCHEDULE

Op. Level 1/1/75

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

COMMENTS

#003 - Ash-Settling basin discharge

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

1. ME Dixon City Garage STSF

MAP REFERENCE NO: 9
CONTROL NO: 6119
REGISTRATION NO: P 103 12
COUNTY: Lee

BASIN: Rock
SEGMENT: B-03

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, seepage field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.001

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No surface discharge

City garage with washroom, equipment storage and maintenance & washing facilities

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Dixon State Sch STW

MAP REFERENCE NO: 7
CONTROL NO: 6120
REGISTRATION NO: P 103 03
COUNTY: Lee

BASIN: Rock

SEGMENT: B-03

RECEIVING STREAM: Unnamed trib. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Trickling filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 1.0

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0024724
EFFECTIVE DATE: 7/18/75
INTERIM LIMIT. DATE: 5/15/76
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	20	4
TSS (mg/1)	25	5
F COLI/100 ML	200	200
NH_3-N		

If rerouted to Rock

BOD	20
TSS	25

COMPLIANCE SCHEDULE

Begin Const.	7/31/75
Comp. Const.	4/30/76
Op. Level	5/15/76

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Dixon STW

MAP REFERENCE NO: 18
CONTROL NO: 6123
REGISTRATION NO: P 103 01
COUNTY: Lee

BASIN: Rock
SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1140

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 3.4

AVERAGE FLOW (MGD): 2.3

SEWER TYPE: Separate & combined

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0026450
EFFECTIVE DATE: 7/31/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 2/1/77

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD (mg/l)		20
TSS (mg/l)		25
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

COMPLIANCE SCHEDULE Control of overflow
Prelim. Plans 3 mos. after Step I
Final Plans 9 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 12 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
481020	C17 2029
20	C17 2029

TOTAL COST:	PRIORITY RANK:
$223,800	FY'76 794
1,756,200	FY'76 802

COMMENTS

City is actively pursuing a combined sewer separation program

Overflows 002, 003, 004, 005, 006, 007, 008, 009, 010, 011

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Franklin Grove S. D.

MAP REFERENCE NO: 6
CONTROL NO: 6159
REGISTRATION NO: PK 103 01
COUNTY: Lee

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Franklin Creek to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1.00

FACILITY INFORMATION

TREATMENT TYPE: Trickling filter

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	120	50	18.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.1

AVERAGE FLOW (MGD): .07

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0026522
EFFECTIVE DATE: 3/28/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 5/1/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	30	4
TSS (mg/1)	30	5
F COLI/100 ML		200
NH_3-N		Rule 203

PLANNING AREAS

PLANNING AREA
201: Franklin Grove FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee B

COMPLIANCE SCHEDULE

Final plans 6 mos. after Step II
Begin const. 3 mos after Step III
Comp. const. 12 mos after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION:
49102022

PROJECT NO:
C17 0959

TOTAL COST:
$293,800

PRIORITY RANK:
FY'76 0314

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Green Acres MHP

MAP REFERENCE NO: 12
CONTROL NO: 6200
REGISTRATION NO: P 103 07
COUNTY: Lee

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1,144

FACILITY INFORMATION

TREATMENT TYPE: 2-cell aerated lagoon
Rock filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .026

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0042269
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Kable Printing Co.

MAP REFERENCE NO: 3
CONTROL NO: 6224
REGISTRATION NO: PJ 141 03
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Unnamed trib. to Pine Creek to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Batch treatment system
Reduction tank
pH adjustment

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	420	55	6.6

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .8

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003972
EFFECTIVE DATE: 8/18/75
INTERIM LIMIT. DATE: 9/30/76
EXPIRATION DATE: 6/30/77

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	20	4
TSS (mg/1)	125	5
F COLI/100 ML	400	200
NH_3-N		
Chromium (Hex)	.3 (DM)	.3 (DM)
Chromium (Tri)	1.0 (DM)	1.0 (DM)
Iron (tot)	2.0 (DM)	2.0 (DM)
Iron (dis.)	.5 (DM)	.5 (DM)
Copper (tot)	1.0 (DM)	1.0 (DM)

See permit for other limitations

COMPLIANCE SCHEDULE

Final plans	2/28/76
Begin const.	4/30/76
Comp. const.	8/31/76
Op. Level	10/1/76

PLANNING AREAS

PLANNING AREA
201: Mt. Morris FPA
208:

DESIGNATED LEAD AGENCY (201): Mt. Morris

FPA MAP REFERENCE: Ogle A

COMMENTS

Process waste water from electroplating operations and cooling water (SIC 2753; SIC 3471)

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Larson Chas. Mfg. Co.

MAP REFERENCE NO: 16
CONTROL NO: 6241
REGISTRATION NO: P 195 17
COUNTY: Whiteside

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, evaporation-infiltration lagoon

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rock Falls FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: White Side B

COMMENTS

No discharge to surface waters
Zinc, cyanide, chromium , plating process

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Medusa Cement - CWD - 002

MAP REFERENCE NO: 8
CONTROL NO: 6276
REGISTRATION NO: P 103 09
COUNTY: Lee

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1,140

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003514
EFFECTIVE DATE: 12/12/73
INTERIM LIMIT, DATE:
EXPIRATION DATE: 10/1/78

EFFLUENT LIMITATIONS:
002

	INTERIM	FINAL
BOD		
TSS		Not to exceed intake
F COLI/100 ML		
NH_3-N		
TDS (mg/l)		480
Oil & grease (mg/l)		10

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

COMMENTS

002 - Recycled cooling water
A. F. - 0.432

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Medusa Cement - CWD - 003

MAP REFERENCE NO: 8
CONTROL NO: 6276
REGISTRATION NO: P 103 10
COUNTY: Lee

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1,140

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003514
EFFECTIVE DATE: 12/12/73
INTERIM LIMIT. DATE:
EXPIRATION DATE: 10/1/78

EFFLUENT LIMITATIONS:
003

	INTERIM	FINAL
BOD		
TSS		Not to exceed intake
F COLI/100 ML		
NH_3-N		
TDS (mg/1)		480
Oil & grease (mg/1)		10

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

003 - Compressor cooling water
A F. - 0.043

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Medusa Cement - CWD - 004

MAP REFERENCE NO: 8
CONTROL NO: 6276
REGISTRATION NO: P 103 11
COUNTY: Lee

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1140

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003514
EFFECTIVE DATE: 12/12/73
INTERIM LIMIT, DATE:
EXPIRATION DATE: 10/1/78

EFFLUENT LIMITATIONS:
004

	INTERIM	FINAL
BOD		
TSS	Not to exceed intake	
F COLI/100 ML		
NH_3-N		
TDS (mg/1)		480
Oil & grease (mg/1)		10

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

COMMENTS

004 - Compressor & fan cooling water A. F. - 0.317

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Medusa Cement - STP (003A) MAP REFERENCE NO: 8 BASIN: Rock River
CONTROL NO:
REGISTRATION NO: P 103 02
COUNTY: Lee SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1,140

FACILITY INFORMATION

TREATMENT TYPE:

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003514
EFFECTIVE DATE: 12/12/73
INTERIM LIMIT. DATE:
EXPIRATION DATE: 10/1/78

EFFLUENT LIMITATIONS:
003A

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		37
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

003A - Discharge from package sewage treatment plant prior to mixing with cooling water in 003

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Moore MHP

MAP REFERENCE NO: 13
CONTROL NO: 6298
REGISTRATION NO: P 103 05
COUNTY: Lee

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1.150

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
2-cell polishing pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .035

AVERAGE FLOW (MGD): 0.022

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:
Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		30
TSS (mg/1)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

POINT SOURCE INFORMATION

NAME Mt. Morris STW

MAP REFERENCE NO: 2
CONTROL NO: 6309
REGISTRATION NO: PJ 141 01
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Pine Creek to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Primary clarifier
Trickling filter

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	39	29	18.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): .40

AVERAGE FLOW (MGD): .649

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0030031
EFFECTIVE DATE: 4/27/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 2/1/77
* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	20	10
TSS (mg/1)	25	12
F COLI/100 ML	200	200
NH_3-N	Rule 203	

PLANNING AREAS

PLANNING AREA
201: Mt. Morris FPA
208:

DESIGNATED LEAD AGENCY (201): Mt. Morris

FPA MAP REFERENCE: Ogle A

COMPLIANCE SCHEDULE

Final plans 6 mos. after Step II
Begin const. 3 mos. after Step III
Comp. const. 9 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: 491022

PROJECT NO: C17 0954

TOTAL COST: $524,000

PRIORITY RANK: FY'76 222

COMMENTS

Pfeffer exemption granted 7/23/75

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Nachusa Lutheran Home

MAP REFERENCE NO: 10
CONTROL NO: 6315
REGISTRATION NO: PZR 103 01
COUNTY: Lee

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Ditch to three-mile Branch to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank
Sand filter

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .02

AVERAGE FLOW (MGD): .002

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:
Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N		Rule 203 (f)

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee B

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Newlanding Utility Inc.

MAP REFERENCE NO: 1
CONTROL NO: 6262
REGISTRATION NO: PZU 141 01
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Clear lake to Clear Creek to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Batch process activated sludge
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.10

AVERAGE FLOW (MGD): 0.0

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0026590
EFFECTIVE DATE: 6/30/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		10 (MA)
TSS (mg/1)		12 (MA)
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

COMMENTS

Chapter 3 indicates 4/5

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Rudes Custom Butchering

MAP REFERENCE NO: 4
CONTROL NO: 6281
REGISTRATION NO: PJA 141 01
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, aerated lagoon, sand filter, seepage field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .001

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle A

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

No surface discharge

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Sauk Valley College

MAP REFERENCE NO: 15
CONTROL NO: 6383
REGISTRATION NO: P 103 06
COUNTY: Lee

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1.157

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
Package plant
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .03

AVERAGE FLOW (MGD): .012

SEWER TYPE:

OVERFLOW FREQUENCY:

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

PERMIT INFORMATION

NPDES #IL 0047520
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE: 12/31/75
EXPIRATION DATE: 10/31/76

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	30	30
TSS (mg/1)	30	30
F COLI/100 ML		200
NH_3-N		
Hg (mg/1)	.2	.0005

A residual chlorine minimum of .2 mg/1 and a maximum of .75 mg/1 is to be maintained at all times.

COMPLIANCE SCHEDULE

Fully implement Mercury Reduction measures 12/31/75

COMMENTS

Facilities serve college, ARA food catering service, Anixter electronic Assembly plant.
Discharge - domestic waste, food prep. residue, & Chem Laboratory discharge.

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME White Pine State Park

MAP REFERENCE NO: 5
CONTROL NO: 6457
REGISTRATION NO: PJ 141 02
COUNTY: Ogle

BASIN: Rock River

SEGMENT: B-03

RECEIVING STREAM: Unnamed trib. to Pine Creek to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration
Package plant

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	27	18	8.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.03

AVERAGE FLOW (MGD): .005

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:
Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		10
TSS (mg/1)		12
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle A

COMMENTS

Pfeffer exemption granted 3/9/73

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME AW Rootbeer STK-Sterlng

MAP REFERENCE NO: 9
CONTROL NO: 6003
REGISTRATION NO: P 195 16
COUNTY: Whiteside

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, absorption field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No surface discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Chadwick STW

MAP REFERENCE NO: 17
CONTROL NO: 6093
REGISTRATION NO: PE 015 01
COUNTY: Carroll

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Unnamed trib. to Rock Ck. to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3 cell aerated lagoon
Rock filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	180	44	15.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.16

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0025283 Draft
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Chadwick FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Carroll B

COMMENTS

Lagoon exemption granted 3/17/75

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Country Acres Tr Pk

MAP REFERENCE NO: 8
CONTROL NO: 6111
REGISTRATION NO: PZP 195 01
COUNTY: Whiteside

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Spring Slough to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3-cell lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .015

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD(mg/1)		4
TSS(mg/1)		5
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Rock Falls FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Erie STW

MAP REFERENCE NO: 20
CONTROL NO: 6147
REGISTRATION NO: P 195 04
COUNTY: Whiteside

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1249.6

FACILITY INFORMATION

TREATMENT TYPE: Trickling filter
Polishing pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .2

AVERAGE FLOW (MGD): .07

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0020303
EFFECTIVE DATE: 2/17/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 3/31/76

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Erie FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside C

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: 22

PROJECT NO: C17 2130

TOTAL COST: $304,000

PRIORITY RANK: FY'76 1077

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Frantz Mfg Co

MAP REFERENCE NO: 10
CONTROL NO: 6160
REGISTRATION NO: PH 195 01
COUNTY: Whiteside

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, seepage field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside D

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No surface discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

POINT SOURCE INFORMATION

NAME Hillsdale S.D.

MAP REFERENCE NO: 21
CONTROL NO: 5213
REGISTRATION NO: PD 161 01
COUNTY: Rock Island

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Meredosia Ditch to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .8

FACILITY INFORMATION

TREATMENT TYPE: Waste stabilization pond
Polishing pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.065

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0047830
EFFECTIVE DATE: 6/23/75
INTERIM LIMIT. DATE: *
EXPIRATION DATE: 6/30/77

*Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD(mg/l)	80	4
TSS(mg/l)	80	5
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Hillsdale FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island A

COMPLIANCE SCHEDULE

Final Plans 6 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 18 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Chapter 3 indicates 30/30

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Illini Beef Packers Inc.
MAP REFERENCE NO: 23
CONTROL NO: 5203
REGISTRATION NO: P 161 08
COUNTY: Rock Island
BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Unnamed trib. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1310

FACILITY INFORMATION

TREATMENT TYPE: Grease flotation
Anaerobic treatment
Mechanical aeration
4 aerobic lagoons

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003913
EFFECTIVE DATE: 3/20/75
INTERIM LIMIT. DATE: 12/31/75
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	20	20
TSS (mg/l)	40	25
F COLI/100 ML	200	200
NH_3-N		Rule 203(f)
Oil & grease (mg/l)	5 3	10

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island A

COMPLIANCE SCHEDULE

Prelim. Plans	3/31/75
Final Plans	4/30/75
Begin Const.	6/30/75
Comp. Const.	10/31/75
Op. Level	1/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Kershaw Trailer Park

MAP REFERENCE NO: 27
CONTROL NO: 5227
REGISTRATION NO: P 073 01
COUNTY: Henry

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Small ditch to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Septic tank
3 cell aerated lagoon
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .032

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Colona-Greenrock FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Henry A

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Under construction to upgrade existing lagoon by adding aeration, filter, chlorination

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Lanark STW

MAP REFERENCE NO: 18
CONTROL NO: 6243
REGISTRATION NO: PE 015 02
COUNTY: Carroll

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: West Spring Branch to Rock Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Primary clarifier
Trickling filter
Secondary clarifier

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	35	34	12.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0029408
EFFECTIVE DATE: 4/11/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 6/1/77

*Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	35	4
TSS (mg/1)	30	5
F COLI/100 ML	200	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Lanark FPA
208:

DESIGNATED LEAD AGENCY (201): Lanark

FPA MAP REFERENCE: Carroll B

COMPLIANCE SCHEDULE

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: 481020

PROJECT NO: C17 2039

TOTAL COST: $312,800

PRIORITY RANK: FY'76 411

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Lawrence Park

MAP REFERENCE NO: 7
CONTROL NO: 6177
REGISTRATION NO: P 195 13
COUNTY: Whiteside

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: 2 septic tanks with seepage field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

Treats waste water from park restrooms & pool

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Mid America Protein

MAP REFERENCE NO: 11
CONTROL NO: 6039
REGISTRATION NO: P 195 05
COUNTY: Whiteside

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1097

FACILITY INFORMATION

TREATMENT TYPE: Anaerobic & aerobic lagoons in series

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.42

AVERAGE FLOW (MGD): 0.5 - 0.6

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Milledgeville STW

MAP REFERENCE NO: 13
CONTROL NO: 6282
REGISTRATION NO: PH 015 01
COUNTY: Carroll

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Elkhorn Ck. trib. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 6.2

FACILITY INFORMATION

TREATMENT TYPE: 2 trickling filter units
Extended aeration activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	45	26	13.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.24

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0023345
EFFECTIVE DATE: 3/21/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 6/1/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		20
TSS (mg/l)		25
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Milledgeville FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Carroll B

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: 20

PROJECT NO: C17 1951

TOTAL COST: $169,000

PRIORITY RANK: FY'76 825

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Mobet Meadows Tr Pk

MAP REFERENCE NO: 25
CONTROL NO: 5289
REGISTRATION NO: PZD 161 01
COUNTY: Rock Island

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Zuma Ck. trib. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .2

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Polishing lagoon
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	11	60	21

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.032

AVERAGE FLOW (MGD): 0.026

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		10
TSS (mg/l)		12
F COLI/100 ML		200
NH_3-N		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island A

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Moline Consumer-Clevelnd

MAP REFERENCE NO: 24
CONTROL NO: 5295
REGISTRATION NO: P 073 02
COUNTY: Henry

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Drainage ditch to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Settling ponds

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.670

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003557
EFFECTIVE DATE: 8/23/74
INTERIM LIMIT. DATE: 3/31/75
EXPIRATION DATE: 3/31/79

EFFLUENT LIMITATIONS:

001	INTERIM	FINAL
BOD		
TSS (mg/l)	220	15
F COLI/100 ML		
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Colona-Green Rock FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island

COMPLIANCE SCHEDULE

Begin Const.	9/30/74
Comp. Const.	3/1/75
Op. Level	3/31/75

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Crushed rock washing operations

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Morrison STW

MAP REFERENCE NO: 19 BASIN: Rock
CONTROL NO: 6300
REGISTRATION NO: PE 195 01
COUNTY: Whiteside SEGMENT: B-04

RECEIVING STREAM: Rock Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 15

FACILITY INFORMATION

TREATMENT TYPE: Trickling filter

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	23	110	3.5

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 1.4

AVERAGE FLOW (MGD): .9

SEWER TYPE: Separate & combined

OVERFLOW FREQUENCY: 6 overflow points

PERMIT INFORMATION

NPDES #IL 0027006
EFFECTIVE DATE: 1/3/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/30/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Morrison FPA
208:

DESIGNATED LEAD AGENCY (201): Morrison

FPA MAP REFERENCE: Whiteside C

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: 4910

PROJECT NO: C17 0960

TOTAL COST: $660,000

PRIORITY RANK: FY'76 190

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME NW Steel-Wire Bk Wsh-008

MAP REFERENCE NO: 5
CONTROL NO: 6325
REGISTRATION NO: P 195 20
COUNTY: Whiteside

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1088

FACILITY INFORMATION

TREATMENT TYPE: 2 rotary mechanical screens

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003794
EFFECTIVE DATE: 10/31/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 6/30/79

EFFLUENT LIMITATIONS:

008	INTERIM	FINAL
BOD		
TSS	Monitor	
F COLI/100 ML		
NH_3-N		
Oil & grease	Monitor	

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

COMMENTS

008 - Intake water strainer backwash

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME NW Steel-Wire East 002

MAP REFERENCE NO: 5
CONTROL NO: 6320
REGISTRATION NO: P 195 08
COUNTY: Whiteside

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1088

FACILITY INFORMATION

TREATMENT TYPE: Sand filtration
Acid neutralization
Clarification

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .58

AVERAGE FLOW (MGD): .54

SEWER TYPE:

OVERFLOW FREQUENCY:

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

PERMIT INFORMATION

NPDES #IL 0003794
EFFECTIVE DATE: 9/30/74
INTERIM LIMIT. DATE: 9/30/76
EXPIRATION DATE: 6/30/79

EFFLUENT LIMITATIONS:

002	INTERIM	FINAL
BOD		
TSS (mg/l)	15	15(DM)
F COLI/100 ML		
NH_3-N (mg/l)	20	
Sulfate (lb/day)	4745	2658(DM)
Fe(dis) (mg/l)	.5(DM)	.5(DM)
Fe(tot) (mg/l)	2.0	2.0(DM)
Oil & grease (mg/l)	10	10
Chloride (lb/day)	4170	2278

For additional limitations, see permit

COMPLIANCE SCHEDULE

Begin Const.	6/30/75
Comp. Const.	6/30/76
Op. Level	10/30/76

COMMENTS

Steel production utilizing electric furnace process

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME NW Steel-Wire West 003

MAP REFERENCE NO: 5
CONTROL NO: 6324
REGISTRATION NO: P 195 18
COUNTY: Whiteside

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1088

FACILITY INFORMATION

TREATMENT TYPE: None

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	5	16	.16

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): 41.8

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003794
EFFECTIVE DATE: 9/30/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 6/30/79

EFFLUENT LIMITATIONS:

003	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		
Temp.		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

One pass, closed cooling water discharge

Non-contact cooling water

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME NW Steel-Wire West 007

MAP REFERENCE NO: 5
CONTROL NO: 6321
REGISTRATION NO: P 195 21
COUNTY: Whiteside

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1088

FACILITY INFORMATION

TREATMENT TYPE: Settling pond

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003794
EFFECTIVE DATE: 9/30/74
INTERIM LIMIT. DATE:
EXPIRATION DATE: 6/30/79

EFFLUENT LIMITATIONS:

007

	INTERIM	FINAL
BOD		
TSS (lbs/dy)		15(DM)
F COLI/100 ML		
NH_3-N		
Oil & grease		10(DM)
Temp.		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

Effluent from south plant to North settling pond

Receives discharge from recycle system, process water, storm runoff, and domestic sewage

Process water from West Plant recirculation system

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Polo STW

MAP REFERENCE NO: 12
CONTROL NO: 6348
REGISTRATION NO: PHE 141 01
COUNTY: Ogle

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Buffalo Ck. to Elkhorn Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Secondary
Trickling filter

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	65	39	11.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA: FC

DESIGN AVERAGE FLOW (MGD): 0.5

AVERAGE FLOW (MGD): 0.8

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0030449
EFFECTIVE DATE: 7/19/75
INTERIM LIMIT. DATE: *
EXPIRATION DATE: 6/30/76

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	35	10
TSS (mg/l)	35	12
F COLI/100 ML		200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Polo FPA
208:

DESIGNATED LEAD AGENCY (201): Polo

FPA MAP REFERENCE: Ogle A

COMPLIANCE SCHEDULE

Final Plans 9 mos. after Step II
Begin Const. 3 mos. after Step III
Comp. Const. 12 mos. after begin.
Op. Level 1 mo. after comp.

GRANT INFORMATION

PROJECT DESCRIPTION: 4910

PROJECT NO: C17 0760

TOTAL COST: $735,700

PRIORITY RANK: FY'76 80

COMMENTS

Pfeffer exemption granted 12/16/74

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Prophetstown STW

MAP REFERENCE NO: 16
CONTROL NO: 6360
REGISTRATION NO: P 195 03
COUNTY: Whiteside

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1200

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.21

AVERAGE FLOW (MGD): 0.248

SEWER TYPE: Combined & separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Prophetstown FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside C

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: 3920

PROJECT NO: C17 1952

TOTAL COST: $740,000

PRIORITY RANK: FY'76 139

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Riverdale HS 100

MAP REFERENCE NO: 22
CONTROL NO: 5367
REGISTRATION NO: PZG 161 --
COUNTY: Rock Island

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Canoe Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Extended Aeration
Polishing pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.015

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island A

COMMENTS

Was P 161 06

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Riverside Mobile

MAP REFERENCE NO: 6
CONTROL NO: 6364
REGISTRATION NO: P 195 11
COUNTY: Whiteside

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1097

FACILITY INFORMATION

TREATMENT TYPE: 3 cell aerated lagoon
Settling pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.027

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0033235
EFFECTIVE DATE: 6/30/75
INTERIM LIMIT, DATE:
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rock Falls FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Rock Falls STW

MAP REFERENCE NO: 3
CONTROL NO: 6369
REGISTRATION NO: P 195 02
COUNTY: Whiteside

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1087

FACILITY INFORMATION

TREATMENT TYPE: Primary with contact stabilization

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 2.5

AVERAGE FLOW (MGD): 1.11

SEWER TYPE: Separate

OVERFLOW FREQUENCY: <1/yr.

PERMIT INFORMATION

NPDES #IL 0026514
EFFECTIVE DATE: 12/21/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 6/30/79

EFFLUENT LIMITATIONS:

001

	INTERIM	FINAL
BOD (mg/l)		20
TSS (mg/l)		25
F COLI/100 ML		200
NH_3-N		

Bypass/overflow treatment - #002 & #003 contingent upon grant funding

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rock Falls FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

GRANT INFORMATION

PROJECT DESCRIPTION: 20

PROJECT NO: C17 1953

TOTAL COST: 712,000

PRIORITY RANK: FY'76 811

COMMENTS

1 outfall; 2 bypasses are eliminated

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Silvis STW

MAP REFERENCE NO: 26
CONTROL NO: 5393
REGISTRATION NO: P 161 02
COUNTY: Rock Island

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Unnamed ditch to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .1

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.60

AVERAGE FLOW (MGD): 0.45

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0025470
EFFECTIVE DATE: 6/28/74
INTERIM LIMIT. DATE: 12/31/75
EXPIRATION DATE: 1/25/76

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	135	Discon-
TSS (mg/l)	160	tinued
F COLI/100 ML	200	
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: E. Moline FPA
208:

DESIGNATED LEAD AGENCY (201): E. Moline

FPA MAP REFERENCE: Rock Island A

COMPLIANCE SCHEDULE

Begin Const.	9/30/74
Comp. Const.	12/31/75
Op. Level	12/31/75

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

1/1/76 Flow diverted to E. Moline STP

Interceptor presently under construction

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Sinnissippi Park - STK

MAP REFERENCE NO: 2
CONTROL NO: 6390
REGISTRATION NO: P 195 14
COUNTY: Whiteside

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Ditch to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Septic tank

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N		Rule 203

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Sterling STW

MAP REFERENCE NO: 4
CONTROL NO: 6399
REGISTRATION NO: P 195 01
COUNTY: Whiteside

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1087

FACILITY INFORMATION

TREATMENT TYPE: Contact stabilization
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 2.85

AVERAGE FLOW (MGD): 2.36

SEWER TYPE: Separate & combined

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0031259
EFFECTIVE DATE: 11/21/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 5/31/79

EFFLUENT LIMITATIONS:

001	INTERIM	FINAL
BOD (mg/l)		20
TSS (mg/l)		25
F COLI/100 ML		200
NH_3-N		

Bypass/overflow treatment of #002-#007 is contingent on grant funding

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

COMMENTS

#002-Ave. G-Intermittent
#003- " B- "
#004-1st Ave- "
#005-Broadway- "
#006-15th Ave- "
#007-Ave L- "

GRANT INFORMATION

PROJECT DESCRIPTION:	PROJECT NO:
18	C17 1014
10212039	C17 1014
20	C17 1468

TOTAL COST:	PRIORITY RANK:
-	FY'76 262
$4,135,000	FY'76 262
690,000	FY'76 781

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Tampico STW

MAP REFERENCE NO: 15
CONTROL NO: 6420
REGISTRATION NO: PFC 195 01
COUNTY: Whiteside

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Unnamed trib. to County Ditch Number Two to Coon Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank
Intermittent sand filter

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	330	110	39.0

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.08

AVERAGE FLOW (MGD): 0.065

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0022381
EFFECTIVE DATE: 11/06/74
INTERIM LIMIT. DATE: 6/30/77
EXPIRATION DATE: 10/31/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	50	4
TSS (mg/l)	50	5
F COLI/100 ML		200
NH_3-N		Rule 203

PLANNING AREAS

PLANNING AREA
201: Tampico FPA
208:

DESIGNATED LEAD AGENCY (201): Tampico

FPA MAP REFERENCE: Whiteside D

COMPLIANCE SCHEDULE

Final Plans	1/1/76
Begin Const.	5/31/76
Comp. Const.	5/31/77
Op. Level	6/30/77

GRANT INFORMATION

PROJECT DESCRIPTION: 4910

PROJECT NO: C17 1087

TOTAL COST: $156,700

PRIORITY RANK: FY'76 121

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Whiteside Co. Airport

MAP REFERENCE NO: 14
CONTROL NO: 6453
REGISTRATION NO: P 195 07
COUNTY: Whiteside

BASIN: Rock.
SEGMENT: B-04

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, distribution field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rock Falls FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

278

3/26/76

POINT SOURCE INFORMATION

NAME Woodlawn Sch Dist 5-STK

MAP REFERENCE NO: 1
CONTROL NO: 6465
REGISTRATION NO: P 195 15
COUNTY: Whiteside

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, absorption field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

No surface discharge

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Airview MHP

MAP REFERENCE NO: 8
CONTROL NO: 5139
REGISTRATION NO: PZA 161 01
COUNTY: Rock Island

BASIN: Rock River

SEGMENT: B-05

RECEIVING STREAM: Case Creek to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 2 Extended aeration
Package plants
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):

1974 mean	BOD	TSS	NH_3-N
	55	410	14

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.019

AVERAGE FLOW (MGD):

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:
Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N	Rule	203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rock Island FPA
208:

DESIGNATED LEAD AGENCY (201): Rock Island

FPA MAP REFERENCE: Rock Island C

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Allied Stone Co - Milan

MAP REFERENCE NO: 15
CONTROL NO: 5019
REGISTRATION NO: P 161 11
COUNTY: Rock Island

BASIN: Rock River

SEGMENT: B-05

RECEIVING STREAM: Open ditch to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Settling ponds

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.35

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0003310
EFFECTIVE DATE: 12/6/74
INTERIM LIMIT. DATE: 2/27/76
EXPIRATION DATE: 1/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS (mg/1)	40 (DM)	15 (DM)
F COLI/100 ML		
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Rock Island FPA
208:

DESIGNATED LEAD AGENCY (201): Rock Island

FPA MAP REFERENCE: Rock Island A & B

COMPLIANCE SCHEDULE

Final plans	2/28/75
Begin const.	7/1/75
Comp. const.	1/31/76
Op. Level	3/1/76

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Wash water from limestone gravel

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Bridgelane Tr Ct

MAP REFERENCE NO: 6
CONTROL NO: 5068
REGISTRATION NO: P 161 04
COUNTY: Rock Island

BASIN: Rock River

SEGMENT: B-05

RECEIVING STREAM: Unnamed tributary to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, intermittent sand filter, chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .0057

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:
Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N	Rule 203 (f)	

PLANNING AREAS

PLANNING AREA
201: Moline FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Coal Valley STW

MAP REFERENCE NO: 2
CONTROL NO: 5101
REGISTRATION NO: PZC 161 01
COUNTY: Rock Island

BASIN: Rock River

SEGMENT: B-05

RECEIVING STREAM: Shaffer Creek Trib to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Chlorination
Storm holding pond

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.30

AVERAGE FLOW (MGD): 0.20

SEWER TYPE: Separate

OVERFLOW FREQUENCY: Twice yearly

PERMIT INFORMATION

NPDES #IL 0021504
EFFECTIVE DATE: 3/21/75
INTERIM LIMIT, DATE: *
EXPIRATION DATE: 1/31/77

* Dependent on auxiliary funding

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	25 (MA)	4 (MA)
TSS (mg/1)	35 (MA)	5 (MA)
F COLI/100 ML	200	200
NH_3-N		Rule 203

PLANNING AREAS

PLANNING AREA
201: Moline FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island B

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION:
1202123

PROJECT NO:
C17 1319

TOTAL COST:
$710,200

PRIORITY RANK:
FY'76 100

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Harold's Restaurant

MAP REFERENCE NO: 5
CONTROL NO: 5201
REGISTRATION NO: P 161 10
COUNTY: Rock Island

BASIN: Rock River

SEGMENT: B-05

RECEIVING STREAM: Subsurface

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): N/A

FACILITY INFORMATION

TREATMENT TYPE: Septic tank, seepage field

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD		
TSS		
F COLI/100 ML		
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Mill Creek Cntry Club

MAP REFERENCE NO: 11
CONTROL NO: 5283
REGISTRATION NO: PA 161 04
COUNTY: Rock Island

BASIN: Rock River

SEGMENT: B-05

RECEIVING STREAM: Mill Creek to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .032

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.012

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0024503
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE: 7/1/76
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	30	10
TSS (mg/1)	30	12
F COLI/100 ML	200	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Moline FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island C

COMPLIANCE SCHEDULE

Prelim. plans	8/1/75
Final plans	12/1/75
Begin const.	2/1/76
Comp. const.	7/1/76
Op. Level	8/1/76

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Moline South Slope STW

MAP REFERENCE NO: 4
CONTROL NO: 5294
REGISTRATION NO: P 161 01
COUNTY: Rock Island

BASIN: Rock River

SEGMENT: B-05

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1,457

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 4.0

AVERAGE FLOW (MGD): 2.0

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0029939
EFFECTIVE DATE: 8/10/74
INTERIM LIMIT, DATE:
EXPIRATION DATE: 7/31/78

EFFLUENT LIMITATIONS:
001

	INTERIM	FINAL
BOD (mg/1)		20
TSS (mg/1)		25
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Moline FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island B

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: 1

PROJECT NO: C17 1924

TOTAL COST: $6,792,700

PRIORITY RANK: FY'76 148

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Namequa Lodge STW

MAP REFERENCE NO: 3
CONTROL NO: 5312
REGISTRATION NO: P 161 09
COUNTY: Rock Island

BASIN: Rock
SEGMENT: B-05

RECEIVING STREAM: Unnamed trib. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Septic tank
Oxidation pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .003

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N		Rule 203

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE:

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Summer camp

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Oak Glen Nurs Home

MAP REFERENCE NO: 9
CONTROL NO: 5323
REGISTRATION NO: PZA 161 04
COUNTY: Rock Island

BASIN: Rock River

SEGMENT: B-05

RECEIVING STREAM: Ditch Trib. to Case Creek Trib to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank
Trickling filter

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .05

AVERAGE FLOW (MGD): .04

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0024708
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE: 6/30/77
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)	50	30
TSS (mg/1)	50	30
F COLI/100 ML	200	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Moline FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island B

COMPLIANCE SCHEDULE

Prelim. plans	8/30/75
Final plans	2/30/76
Begin const.	4/30/76
Comp. const.	4/30/77
Op. Level	6/30/77

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Lagoon exemption granted 2/1/73

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Oak Grove Tr Pk

MAP REFERENCE NO: 13
CONTROL NO: 5331
REGISTRATION NO: PA 161 02
COUNTY: Rock Island

BASIN: Rock River

SEGMENT: B-05

RECEIVING STREAM: Unnamed Trib to Mill Creek South to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 2 septic tanks
2 sand filters

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD):

AVERAGE FLOW (MGD): .006

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:
Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/1)		4
TSS (mg/1)		5
F COLI/100 ML		200
NH_3-N		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Rock Island FPA
208:

DESIGNATED LEAD AGENCY (201): Rock Island

FPA MAP REFERENCE: Rock Island C

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION:

PROJECT NO:

TOTAL COST:

PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT:

NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Oakwood CCLB-Coal Valley

MAP REFERENCE NO: 1
CONTROL NO: 5330
REGISTRATION NO: P 073 03
COUNTY: Henry

BASIN: Rock

SEGMENT: B-05

RECEIVING STREAM: Unnamed trib. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Imhoff tank
Final settling

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .012

AVERAGE FLOW (MGD): .012

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Moline FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island B

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Paradise Manor

MAP REFERENCE NO: 10 BASIN: Rock
CONTROL NO: 5335
REGISTRATION NO: PZA 161 02
COUNTY: Rock Island SEGMENT: B-05

RECEIVING STREAM: Case Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Extended aeration (Package Plant)
Chlorination
Polishing pond

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.021

AVERAGE FLOW (MGD): .008

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

Derived from Chapter 3

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ML		200
NH_3-N		Rule 203

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Moline FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island C

COMMENTS

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME Quad City Airport

MAP REFERENCE NO: 7
CONTROL NO: 5363
REGISTRATION NO: PZB 161 01
COUNTY: Rock Island

BASIN: Rock
SEGMENT: B-05

RECEIVING STREAM: Coal Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 2-cell aerated lagoon
Sand filter
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .06

AVERAGE FLOW (MGD): .05

SEWER TYPE: Separate

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0022799
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT. DATE:
EXPIRATION DATE: 12/21/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		30
TSS (mg/l)		30
F COLI/100 ML		200
NH_3-N		

COMPLIANCE SCHEDULE

PLANNING AREAS

PLANNING AREA
201: Moline FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island B

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

Lagoon exemption granted 6/10/74

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME: Reynolds STW

MAP REFERENCE NO: 16 BASIN: Rock
CONTROL NO: 5366
REGISTRATION NO: PA 161 03
COUNTY: Rock Island SEGMENT: B-05

RECEIVING STREAM: Mill Ck. South to Rock R

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: 3-cell Lagoon
Chlorination

PRESENT EFFLUENT QUALITY (mg/l):
BOD TSS [illegible]

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): 0.08

AVERAGE FLOW (MGD):

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0021487
EFFECTIVE DATE: 10/15/73
INTERIM LIMIT DATE:
EXPIRATION DATE: 10/14/78

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)		4
TSS (mg/l)		5
F COLI/100 ml		200
NH3 N		

PLANNING AREA

PLANNING AREA
201: Reynolds FPA
208:

DESIGNATED LEAD AGENCY (208):

FPA MAP REFERENCE: Rock Island C

COMPLIANCE SCHEDULE

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

POINT SOURCE INFORMATION

NAME SIBA Inc-Woodland Pk-MHP
MAP REFERENCE NO: 12
CONTROL NO: 5455
REGISTRATION NO: PA 161 01
COUNTY: Rock Island
BASIN: Rock
SEGMENT: B-05

RECEIVING STREAM: Mill Ck. South to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

TREATMENT TYPE: Activated sludge
Polishing pond
Chlorination

PRESENT EFFLUENT QUALITY (MG/L):
BOD TSS NH_3-N

CONSTITUENTS IN EXCESS OF IPCB CRITERIA:

DESIGN AVERAGE FLOW (MGD): .03

AVERAGE FLOW (MGD): .02

SEWER TYPE:

OVERFLOW FREQUENCY:

PERMIT INFORMATION

NPDES #IL 0026671
EFFECTIVE DATE: 7/9/75
INTERIM LIMIT, DATE: 5/1/77
EXPIRATION DATE: 12/31/79

EFFLUENT LIMITATIONS:

	INTERIM	FINAL
BOD (mg/l)	10	4
TSS (mg/l)	12	5
F COLI/100 ML	200	200
NH_3-N		

PLANNING AREAS

PLANNING AREA
201: Rock Island FPA
208:

DESIGNATED LEAD AGENCY (201): Rock Island

FPA MAP REFERENCE: Rock Island C

COMPLIANCE SCHEDULE

Final Plans	1/1/76
Begin Const.	4/1/76
Comp. Const.	4/1/77
Op. Level	5/1/77

GRANT INFORMATION

PROJECT DESCRIPTION: PROJECT NO:

TOTAL COST: PRIORITY RANK:

COMMENTS

OPERATOR CERTIFICATION

PRESENT: NEEDED:

WPC-141-PSS

3/26/76

ADDITIONAL WASTEWATER SOURCES IN BOONE COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
Bonus at Belvidere	Landfill	00700502	Rock	A-02	26
Capron	PWS	0040100	Rock	A-02	24
Mun. #2 at Belvidere	Landfill	00700506	Rock	A-02	25

ADDITIONAL WASTEWATER SOURCES IN BUREAU COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
Bureau County Lake Arispic Wtr. Company	PWS	0065050	Illinois	A-01	44
Cherry	PWS	0060200	Illinois	B-02	37
Depue	PWS	0060300	Illinois	B-02	41
LaMoille	PWS	0060500	Illinois	A-01	35
Ladd	PWS	0060450	Illinois	B-02	40
Manlius	PWS	0060600	Rock	A-01	50
Municipal #2 at Dalzell	Landfill	01102502	Illinois	B-02	42
Municipal #1 at DePue	Landfill	01103001	Illinois	B-02	43
Municipal at Ladd	Landfill	01104501	Illinois	A-01	39
Municipal at Princeton	Landfill	01108501	Illinois	A-01	38
Sheffield	PWS	0060950	Rock	A-01	49
Walnut	PWS	0061100	Rock	A-01	51

ADDITIONAL WASTEWATER SOURCES IN DEKALB COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
Brennen Cattle Co.	Feedlot	PQCD 037 01	Rock	A-03	31
Engstrom at Cortland	Landfill	03780201	Rock	A-03	30

ADDITIONAL WASTEWATER SOURCES IN HENRY COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
Brauer, Irving (hog feedlot)	Feedlot	PB 073 03	Rock	A-01	55
Henry Co. LDFL at Atkson	Landfill	07302001	Rock	A-01	53
Muni at Bishop Hill	Landfill	07302501	Mississippi North Central	B-01	1
Municipal at Cambridge	Landfill	07303001	Rock	A-01	54
Municipal at Galva	Landfill	07304501	Mississippi North Central	B-01	2
Municipal at Kewanee	Landfill	07306501	Rock	A-01	52

ADDITIONAL WASTEWATER SOURCES IN JO DAVIESS COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
Allendorf at Galena	Landfill	08502005	Mississippi North	B-01	1
Montgomery TR at Galena	Landfill	08502004	Mississippi North	B-01	3
Mun #2 at Elizabeth	Landfill	08501503	Mississippi North	A-01	5
Mun. Farrell at Hanover	Landfill	08502501	Mississippi North	A-01	6
Mun-Sludge at Elizabeth	Landfill	08501502	Mississippi North	A-01	4
Municipal at Stockton	Landfill	08581601	Rock	A-06	57
Warren Disp at Warren	Landfill	08505001	Mississippi North	A-01	2

ADDITIONAL WASTEWATER SOURCES IN LEE COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
Amboy	PWS	0520050	Rock	A-01	41
Brachle at Amboy	Landfill	10300522	Rock	A-01	38
G.R.O.P. at Dixon	Landfill	10380101	Rock	A-01	39
GERDES at Dixon	Landfill	10380607	Rock	B-03	40
Municipal at Paw Paw	Landfill	10304019	Fox	B-04	29
State of Illinois Dixon St. School	PWS	0525500	Rock	B-03	37

ADDITIONAL WASTEWATER SOURCES IN MCHENRY COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
A. N. May at Richmond	Landfill	11107501	Fox	B-01	2
Blazier at Harvard	Landfill	11102501	Rock	A-02	27
Hartmann Farms	Feedlot	PQI 111 06	Rock	A-02	28
Hillview Farms-Richview	Feedlot	DTKA 111 05	Fox	B-01	1
Kahl at Huntley	Landfill	11103502	Rock	A-02	29
Krenz at Crystal Lk	Landfill	11101501	Fox	B-03	11
McHenry	PWS	0560600	Fox	B-01	33
Oberhuber at Nunda Twp	Landfill	11181301	Fox	B-01	7
Shamrock Beef Cattle Farm	Feedlot	DTZT 111 01	Fox	B-01	6
Spancrete at Algon Twp	Landfill	11180105	Fox	B-02	10
Veugeler at Algon Twp	Landfill	11180102	Fox	B-02	8

ADDITIONAL WASTEWATER SOURCES IN OGLE COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
Glendennings, Inc. (Cattle Feedlot)	Feedlot	P 141 10	Rock	B-02	320
Johnson at Byron	Landfill	14182003	Rock	B-02	34
Muni #2 at Rochelle	Landfill	14180320	Rock	A-05	33
Municipal #2 at Polo	Landfill	14180416	Rock	B-04	36
Nordman Feedlot (Beef cattle, dairy cattle and hogs)	Feedlot	P 141 09	Rock	A-05	35

ADDITIONAL WASTEWATER SOURCES IN ROCK ISLAND COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
East Moline	PWS*	0810250	Mississippi North	B-02	13
Hedgewood at Rapids City	Landfill	16106001	Mississippi North	B-02	12
Hickory Hills 2nd Addition Rock Island Co.	PWS	0815450	Mississippi North Central	B-01	5
John Deere at E. Moline	Landfill	16181011	Mississippi North	B-02	14
Moline	PWS*	0810450	Mississippi North	B-02	15
Municipal at E. Moline	Landfill	16181004	Rock	B-04	58
Municipal at Rock Island	Landfill	16106501	Mississippi North	B-02	17
Rock Island	PWS	0810650	Rock	B-05	56
Spencer at Port Byron	Landfill	16105504	Mississippi North	B-02	11
T. B. San at Rock Island	Landfill	16106502	Mississippi North	B-02	16
Watts at Andalusia	Landfill	16180001	Mississippi North Central	B-01	4

* Surface water supply

ADDITIONAL WASTEWATER SOURCES IN STEPHENSON COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
Boeke at Freeport	Landfill	17702004	Rock	A-06	22
Cheesman at Freeport	Landfill	17702005	Rock	A-06	21
Municipal #2 at Freeport	Landfill	17702002	Rock	A-06	23
Municipal #2 Ext. at Freeport	Landfill	17702008	Rock	A-06	23
Municipal at Winslow	Landfill	17705501	Rock	A-06	20

ADDITIONAL WASTEWATER SOURCES IN WHITESIDE COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
Comm. Steel at Sterling	Landfill	19505004	Rock	B-04	43
Koster at Sterling	Landfill	19505005	Rock	B-04	44
Municipal #1 at Fulton	Landfill	19502501	Mississippi North	B-02	10
Northern Ill. Water Corp at Sterling	PWS	0985040	Rock	B-04	42
NW Steel at Sterling	Landfill	19505001	Rock	B-04	45
Rock Falls	PWS	0980450	Rock	B-04	46
Whitside Co at Morrison	Landfill	19581401	Rock	B-04	47

ADDITIONAL WASTEWATER SOURCES IN WINNEBAGO COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
A. A. A. at Roscoe	Landfill	20104004	Rock	B-01	6
Beloit Fndry at Roscoe	Landfill	20104001	Rock	B-01	7
Beloit Muni at S. Beloit	Landfill	20104501	Rock	B-01	5
Carlson at Loves Park	Landfill	20101509	Rock	B-02	11
Collins at S. Beloit	Landfill	20104502	Rock	B-01	3
Collins 2 at S. Beloit	Landfill	20104509	Rock	B-01	4
Gunite at Rockford	Landfill	20103019	Rock	B-02	14
I.W.S.G. at S. Beloit	Landfill	20104504	Rock	B-01	2
Interpace at S. Beloit	Landfill	20104505	Rock	B-01	1
Martin at Pecatonica	Landfill	20180001	Rock	A-06	12
Municipal at Rockton	Landfill	20103501	Rock	B-01	8
NIMTZ at Loves Park	Landfill	20103008	Rock	B-02	10
Pagels at New Milford	Landfill	20180801	Rock	A-03	17
Plietgen at Davis Jct	Landfill	20180802	Rock	A-04	18
RFRD. Spdy at Loves Pk.	Landfill	20101510	Rock	B-02	9

ADDITIONAL WASTEWATER SOURCES IN WINNEBAGO COUNTY AS SHOWN ON MAP II

Name	Type of Facility	Registration or Facility No.	Basin	Segment	Map No.
R' Ford S & G at Rockford	Landfill	20103009	Rock	B-02	16
San. Dist. at Rockford	Landfill	20103020	Rock	B-02	19
Watts Beef Cattle Feedlot	Feedlot	P 201 19	Rock	A-06	13
Willwood at Rockford	Landfill	20103006	Rock	B-02	15

PUBLIC WATER SUPPLY INFORMATION

NAME: Amboy

MAP REFERENCE NO: 41
CONTROL NO: 0520050
REGISTRATION NO: PB 103 --
COUNTY: Lee

BASIN: Rock
SEGMENT: A-01

RECEIVING STREAM: Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 4.9

FACILITY INFORMATION

FLOW (AV.,MGD): .03

SOURCE: Rock wells

PRESENT WATER QUALITY (MG/L):

	TDS	TDS HARD	NON-CARB HARD	IRON
RAW:	405	373	0	0.78
FINISHED:	179	200	12	0.00

TREATMENT TYPE: Lime softening

WASTES: Backwash sludge
DISPOSAL: Backwash water to sewer
Sludge to lagoon
QUANTITIES:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Amboy FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee B

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

INTERIM

1. $4 \leq pH \leq 10$
2. NO OTHER NUMBERICAL LIMITS. MONITORING REQUIRED FOR PARAMETERS BELOW.

FINAL

BOD
TSS
FE(TOT)
FE(DIS)
TDS

COMPLIANCE SCHEDULE

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Brachle Landfill at Amboy

MAP REFERENCE NO: 38 BASIN: Rock
SITE CODE NO: 10300522
REGISTRATION NO:
COUNTY: Lee SEGMENT: A-01

ADJACENT STREAM(S): Unnamed trib. to Green River, to Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE:

ANNUAL QUANTITY (CU. YDS.): 1,000

SITE AREA (ACRES): 3

LEACHATE QUALITY (MG/L):

FLOW (CFS):

GENERAL INFORMATION

SITE TOPOGRAPHY: Flood plain
SURROUNDING LAND USE: Hillside

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

PLANNING AREAS

PLANNING AREA
201: Amboy FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee - B

PERMIT INFORMATION

IEPA#

Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

COMMENTS

3/30/76

LIVESTOCK WASTE INFORMATION

NAME Brauer, Irving
(hog feedlot)

MAP REFERENCE NO: 55
CONTROL NO: 5039
REGISTRATION NO: PB 073 03
COUNTY: Henry

BASIN: Rock

SEGMENT: A-01

RECEIVING STREAM: Unnamed trib. to Green River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

ANIMALS: 4500 hogs

HOUSING: Completely confined in 7 barns

DRAINAGE AREA: 12 acres

DESIGN STORM: 5 inches/24 hrs.

WASTE HANDLING SYSTEM: Barns have slotted or sloped floors, waste collected in pits, drained periodically to lagoons.

LAND AVAILABLE FOR FINAL DISPOSAL:

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Henry B

COMMENTS

PERMIT INFORMATION

NPDES #IL 0035980
EFFECTIVE DATE: 7/16/74
INTERIM LIMIT DATE:
EXPIRATION DATE: 7/15/79

EFFLUENT LIMITATIONS:

Discharge only when overflow of runoff control structure caused by:

a. Rain > 5.0 inches/24 hrs., or
b. Series of rainfalls which accumulate in runoff control structure, if
   1. Runoff control structure is dewatered on all dewatering days when storage capacity < 150 acre-inches.
   2. Rate of dewatering can restore available storage capacity to at least 150 acre-inches within 1 day or is at least 30 acre-inches/day until avail. storage cap. restored to 150 acre-inches.

COMPLIANCE SCHEDULE

Complete prelim. plans	1/1/75
Complete final plans	3/1/75
Start construction	4/1/75
Complete const., install level marker	7/1/75

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

G.R.O.P. Landfill at Dixon

MAP REFERENCE NO: 39 BASIN: Rock
SITE CODE NO: 10380101
REGISTRATION NO:
COUNTY: Lee SEGMENT: A-01

ADJACENT STREAM(S): Unnamed trib. to Green R.

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, Ind. sludge

ANNUAL QUANTITY (CU. YDS.): 82,500

SITE AREA (ACRES): 227

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 1970-MS-40

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Silt till, limestone, sand & gravel

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER: 35'

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level area
SURROUNDING LAND USE: Industrial

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
1	1/76		31	2.28	430

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

If leachate occurs, it is intercepted & channeled to treatment plant

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee B

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Henry County Landfill at Atkinson

MAP REFERENCE NO: 53
SITE CODE NO: 07302001
REGISTRATION NO:
COUNTY: Henry

BASIN: Rock

SEGMENT: A-01

ADJACENT STREAM(S): Coal Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, toxic waste

ANNUAL QUANTITY (CU. YDS.): 18,000

SITE AREA (ACRES): 25

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 72-62

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Strip mine, spoil bank, silty clay, shale

COEFFICIENT OF PERMEABILITY: 10^{-7}

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Strip mine
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
1	1/76		22	0.16	1155

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Natural attenuation of leachate

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Henry - B

3/30/76

PUBLIC WATER SUPPLY INFORMATION

NAME: Manlius

MAP REFERENCE NO: 50
CONTROL NO: 0060600
REGISTRATION NO: PBJA 011 --
COUNTY: Bureau

BASIN: Rock
SEGMENT: A-01

RECEIVING STREAM: Hickory Ck. to Coal Ck. to Mud Ck. to Green River to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

FLOW (AV.,MGD): .05

SOURCE: Drift wells

PRESENT WATER QUALITY (MG/L):

	TDS	TDS HARD	NON-CARB HARD	IRON
RAW:	429	355	0	7.60
FINISHED:	445	370	0	3.10

TREATMENT TYPE: Iron removal

WASTES: Backwash water
DISPOSAL: Village tile

QUANTITIES: 1.88 lb Fe/day @ 5600 gal

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Manlius FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Bureau - A

PERMIT INFORMATION

NPDES #IL 0051241 (appl. only)
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

INTERIM

1. $4 \leq pH \leq 10$
2. NO OTHER NUMBERICAL LIMITS. MONITORING REQUIRED FOR PARAMETERS BELOW.

FINAL

BOD
TSS
FE(TOT)
FE(DIS)
TDS

COMPLIANCE SCHEDULE

3/10/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Municipal Landfill at Cambridge

MAP REFERENCE NO: 54
SITE CODE NO: 07303001
REGISTRATION NO:
COUNTY: Henry

BASIN: Rock

SEGMENT: A-01

ADJACENT STREAM(S): Unnamed tributary to Green River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, STP sludge

ANNUAL QUANTITY (CU. YDS.): 2,315

SITE AREA (ACRES): 5

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 72-4

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Fine grain soils, silty clay, silt, clay

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER: 5' to W.T.

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Gully
SURROUNDING LAND USE:

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
B-2	10/75		33	24	615

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Natural attenuation of leachate

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Henry - A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Municipal Landfill at Kewanee

MAP REFERENCE NO: 52
SITE CODE NO: 07306501
REGISTRATION NO:
COUNTY: Henry

BASIN: Rock

SEGMENT: A-01

ADJACENT STREAM(S): Unnamed trib. to Walker Creek, to Mud Creek, to Green River, to Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, paint wash

ANNUAL QUANTITY (CU. YDS.): 365,000

SITE AREA (ACRES): 40

LEACHATE QUALITY (MG/L):

NH_4	25	SC 10290
Fe	120	
Pb	.05	

FLOW (CFS):

PERMIT INFORMATION

IEPA# 74-56

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: loess, sandy, silty clay

COEFFICIENT OF PERMEABILITY: 10^{-8}

DEPTH OF AQUIFER: 12' to 15'

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Hillside-upland & lowland area
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Leachate collected then goes to to STP

PLANNING AREAS

PLANNING AREA
201: Kewanee FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Henry - C

3/30/76

PUBLIC WATER SUPPLY INFORMATION

NAME: Sheffield

MAP REFERENCE NO: 49 BASIN: Rock
CONTROL NO: 0060950
REGISTRATION NO: PBJA 011 --
COUNTY: Bureau SEGMENT: A-01

RECEIVING STREAM: Coal Ck. to Mud Ck. to Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

FLOW (AV.,MGD): .11

SOURCE: Drift wells

PRESENT WATER QUALITY (MG/L):

	TDS	TDS HARD	NON-CARB HARD	IRON
RAW:	832	655	244	1.02
FINISHED:	920	720	298	.00

TREATMENT TYPE: Iron removal

WASTES: Backwash water
DISPOSAL: Storm sewer

QUANTITIES: .94 lb Fe/day @ 9950 gal

COMMENTS

Daily backwash

PLANNING AREAS

PLANNING AREA
201: Sheffield FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Bureau A

PERMIT INFORMATION

NPDES #IL 0051144
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

INTERIM

1. $4 \leq pH \leq 10$
2. NO OTHER NUMBERICAL LIMITS. MONITORING REQUIRED FOR PARAMETERS BELOW.

FINAL

BOD
TSS
FE(TOT)
FE(DIS)
TDS

COMPLIANCE SCHEDULE

3/10/76

PUBLIC WATER SUPPLY INFORMATION

NAME: Walnut

MAP REFERENCE NO: 51
CONTROL NO: 0061100
REGISTRATION NO: PBP 011 --
COUNTY: Bureau

BASIN: Rock
SEGMENT: A-01

RECEIVING STREAM: Walnut Special Ditch to Green R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

FLOW (AV.,MGD): .2

SOURCE: Drift wells

PRESENT WATER QUALITY (MG/L):

	TDS	TDS HARD	NON-CARB HARD	IRON
RAW:	301	287	0	5.20
FINISHED:				.20

TREATMENT TYPE: Iron removal

WASTES: Backwash water
DISPOSAL: Storm sewer

QUANTITIES: 8.67 lb Fe/day @ 20,000 gal

COMMENTS

Daily backwash

PLANNING AREAS

PLANNING AREA
201: Walnut FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Bureau B

PERMIT INFORMATION

NPDES #IL 0051373 (Appl. only)
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

INTERIM

1. $4 \leq pH \leq 10$
2. NO OTHER NUMBERICAL LIMITS. MONITORING REQUIRED FOR PARAMETERS BELOW.

FINAL

BOD
TSS
FE(TOT)
FE(DIS)
TDS

COMPLIANCE SCHEDULE

3/10/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Blazier Landfill at Harvard

MAP REFERENCE NO: 27 BASIN: Rock
SITE CODE NO: 11102501
REGISTRATION NO:
COUNTY: McHenry SEGMENT: A-02

ADJACENT STREAM(S): Unnamed trib. to North Branch to Kishwaukee River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): 109,200

SITE AREA (ACRES): 20

LEACHATE QUALITY (MG/L):

FLOW (CFS):

GENERAL INFORMATION

SITE TOPOGRAPHY: Level areas
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
B-1	1/76		18	41	238

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

PLANNING AREAS

PLANNING AREA
201:
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry - A

PERMIT INFORMATION

IEPA# 74-5

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: 200' Glacial drift

COEFFICIENT OF PERMEABILITY: 10^{-5}

DEPTH OF AQUIFER: Base above W.T.

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

COMMENTS

2' of clay or bentonite mix is suggested for a liner

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Bonus Landfill at Belvidere

MAP REFERENCE NO: 26
SITE CODE NO: 00700502
REGISTRATION NO:
COUNTY: Boone

BASIN: Rock

SEGMENT: A-02

ADJACENT STREAM(S): Unnamed trib. to the Kishwaukee River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, non-toxic

ANNUAL QUANTITY (CU. YDS.): 93,600

SITE AREA (ACRES): 50

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 72-32

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Limestone, bedrock

COEFFICIENT OF PERMEABILITY: 10^{-6}

DEPTH OF AQUIFER: 8' above W.T.

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Hillside
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
1	1/76		34		460

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Clayliner 5' in disposal bed

PLANNING AREAS

PLANNING AREA
201: Belvidere FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone - A

3/30/76

PUBLIC WATER SUPPLY INFORMATION

NAME: Capron

MAP REFERENCE NO: 24
CONTROL NO: 0040100
REGISTRATION NO: PQD 007 --
COUNTY: Boone

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Beaver Ck. to Kishwaukee R. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

FLOW (AV.,MGD): .06

SOURCE: Rock wells

PRESENT WATER QUALITY (MG/L):

	TDS	TDS HARD	NON-CARB HARD	IRON
RAW:	360	342	2	.10
FINISHED:	376	216	0	.10

TREATMENT TYPE: Iron removal, zeolite softening

WASTES: Backwash water, regeneration waste
DISPOSAL: Storm water

QUANTITIES: .05 lb Fe/day @ 2,000 gal/backwash; 5,000 gal/regeneration

COMMENTS

Filters backwashed once/week
Softener regenerated every 3 days

PLANNING AREAS

PLANNING AREA
201: Capron FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone A

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT. DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

INTERIM

1. $4 \leq pH \leq 10$
2. NO OTHER NUMBERICAL LIMITS. MONITORING REQUIRED FOR PARAMETERS BELOW.

FINAL

BOD
TSS
FE(TOT)
FE(DIS)
TDS

COMPLIANCE SCHEDULE

3/10/76

LIVESTOCK WASTE INFORMATION

NAME Hartman Farms - Feedlot

MAP REFERENCE NO: 28
CONTROL NO: 7886
REGISTRATION NO: PQI 111 06
COUNTY: McHenry

BASIN: Rock
SEGMENT: A-02

RECEIVING STREAM: Unnamed trib. to South Branch Fork Kishwaukee River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

ANIMALS: 625 beef cattle

HOUSING: Open

DRAINAGE AREA: 3.5 acres

DESIGN STORM: 4.6 inches/24 hrs.

WASTE HANDLING SYSTEM:

LAND AVAILABLE FOR FINAL DISPOSAL: 419 acres

PLANNING AREAS

PLANNING AREA
201:
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry A

COMMENTS

PERMIT INFORMATION

NPDES #IL 0035921
EFFECTIVE DATE: 7/9/74
INTERIM LIMIT DATE:
EXPIRATION DATE: 7/26/79

EFFLUENT LIMITATIONS:

Discharge only overflow from run-off structure caused by:
1. Rain > 4.6 inches/24 hrs.
2. Series of rainfalls which accumulate in a runoff control structure dewatered at rate of at least 3.2 acre-inches per day on all days that the avail. storage vol. is less than 16 acre-inches.

No pesticides, hazardous substances or toxic pollutants allowed to enter runoff control structure.

COMPLIANCE SCHEDULE

Complete prelim. plans	9/1/74
Complete final plans	2/1/75
Start construction	5/1/75
Complete const., install marker to indicate level at which 16 acre-inches storage available	7/1/75

3/10/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Kahl Landfill at Huntley

MAP REFERENCE NO: 29 BASIN: Rock
SITE CODE NO: 11103502
REGISTRATION NO:
COUNTY: McHenry SEGMENT: A-02

ADJACENT STREAM(S): Unnamed ditch to South Branch Fork to Kishwaukee River to Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE:

ANNUAL QUANTITY (CU. YDS.): 260

SITE AREA (ACRES): 13

LEACHATE QUALITY (MG/L):

FLOW (CFS):

GENERAL INFORMATION

SITE TOPOGRAPHY: Flood plain
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

PLANNING AREAS

PLANNING AREA
201: Huntley FPA
208: NIPC

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: McHenry - C

PERMIT INFORMATION

IEPA#

Not required (21e)

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

COMMENTS

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Municipal #2 Landfill at Belvidere

MAP REFERENCE NO: 25 BASIN: Rock
SITE CODE NO: 00700506
REGISTRATION NO:
COUNTY: Boone SEGMENT: A-02

ADJACENT STREAM(S): Unnamed trib. to the Mud Creek STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): 94,260

SITE AREA (ACRES): 34

LEACHATE QUALITY (MG/L):

FLOW (CFS):

GENERAL INFORMATION

SITE TOPOGRAPHY: Level area
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
2	1/76		25	135	

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Boone - A

PERMIT INFORMATION

IEPA# 73-55

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Silty clay, sand

COEFFICIENT OF PERMEABILITY: 10^{-7}

DEPTH OF AQUIFER: Approx. 20' to W.T.

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

COMMENTS

Pond water shall be sprayed back over the landfill

3/30/76

LIVESTOCK WASTE INFORMATION

NAME Brennen Cattle Co.

MAP REFERENCE NO: 31
CONTROL NO: 6040
REGISTRATION NO: PQCD 037 01
COUNTY: DeKalb

BASIN: Rock
SEGMENT: A-03

RECEIVING STREAM: Bull Run Creek

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

ANIMALS: 4200 beef cattle

HOUSING: None

DRAINAGE AREA: 2.9 acres

DESIGN STORM: 4.8 inches/24 hrs.

WASTE HANDLING SYSTEM:

LAND AVAILABLE FOR FINAL DISPOSAL:

PERMIT INFORMATION

NPDES #IL 0035939
EFFECTIVE DATE: 7/24/74
INTERIM LIMIT DATE:
EXPIRATION DATE: 7/1/79

EFFLUENT LIMITATIONS:

Discharge only if overflow from runoff control structure caused by:

a. Rain > 4.8 inches/24 hrs.
b. Series of rainfalls which accumulate in the runoff control structure if -
   1. Dewatered on all days when storage capacity is less than 13.9 acre-inches.
   2. Rate of dewatering sufficient to restore the available storage cap. to at least 13.9 acre-inches in 1 day or is at least 2.8 acre-inches per day until avail. storage cap. restored to 13.9 acre-in.

PLANNING AREAS

PLANNING AREA
201: Kirkland FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb A

COMMENTS

COMPLIANCE SCHEDULE

Complete prelim. plans	10/1/74
Complete final plan	4/1/75
Let const. contract	4/1/75
Start construction	5/1/75
Complete const. and install level marker	10/1/75

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Engstrom Landfill at Cortland

MAP REFERENCE NO: 30
SITE CODE NO: 03780201
REGISTRATION NO:
COUNTY: DeKalb

BASIN: Rock

SEGMENT: A-03

ADJACENT STREAM(S): Union ditch

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, hazardous

ANNUAL QUANTITY (CU. YDS.): 144,000

SITE AREA (ACRES): 25

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 74-16

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Old gravel pit over silt clay

COEFFICIENT OF PERMEABILITY:
silty clay = 10^{-7}
sand = 10^{-3}

DEPTH OF AQUIFER: Very shallow

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level area
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
P-12	10/74		23	4.0	495

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Leachate collected in pond then trucked to STP

PLANNING AREAS

PLANNING AREA
201: DeKalb FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: DeKalb - A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Pagels Landfill at New Milford

MAP REFERENCE NO: 17
SITE CODE NO: 20180801
REGISTRATION NO:
COUNTY: Winnebago

BASIN: Rock

SEGMENT: A-03

ADJACENT STREAM(S): Kishwaukee River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage & Ind. waste

ANNUAL QUANTITY (CU. YDS.): 444,000

SITE AREA (ACRES): 20

LEACHATE QUALITY (MG/L):

Cd = .01 Pb = .33
Cr (tot) = .12 TDS = 3550
Fe = 100

FLOW (CFS):

PERMIT INFORMATION

IEPA# 72-24

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Sand and gravel pit under clay topsoil

COEFFICIENT OF PERMEABILITY: low

DEPTH OF AQUIFER: >10'

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
P-4	10/75		15	1.2	570

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Leachate collection then to STP

Coal, tar, sealer (2')

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago - C

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Plietgen Landfill at Davis Jct.

MAP REFERENCE NO: 18
SITE CODE NO: 20180802
REGISTRATION NO:
COUNTY: Winnebago

BASIN: Rock

SEGMENT: A-4

ADJACENT STREAM(S): Kilbuck Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.):

SITE AREA (ACRES): 1

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA#

Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Borrow pit
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago C

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Municipal #2 Landfill at Rochelle

MAP REFERENCE NO: 33 BASIN: Rock
SITE CODE NO: 14180320
REGISTRATION NO:
COUNTY: Ogle SEGMENT: A-05

ADJACENT STREAM(S): Kyte River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage & sludge

ANNUAL QUANTITY (CU. YDS.): 113,900

SITE AREA (ACRES): 80

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 72-46

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Glacial till, loess, till

COEFFICIENT OF PERMEABILITY: 10^{-7}

DEPTH OF AQUIFER: 20' to W.T.

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level area
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
B-5	1/76		106	0.56	510

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Leachate collection will go to STP

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

EPA MAP REFERENCE: Ogle C

3/30/76

LIVESTOCK WASTE INFORMATION

NAME Nordman Feedlot

MAP REFERENCE NO: 35
CONTROL NO: 6264
REGISTRATION NO: P 141 09
COUNTY: Ogle

BASIN: Rock

SEGMENT: A-05

RECEIVING STREAM: Unnamed ditch to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

ANIMALS: 1,150 beef cattle
40 dairy cows
500 hogs

HOUSING: Cattle and cows - some under roof
Hogs - all in confinement

DRAINAGE AREA:

DESIGN STORM: 4.9 inches/24 hrs.

WASTE HANDLING SYSTEM:

LAND AVAILABLE FOR FINAL DISPOSAL:

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

COMMENTS

PERMIT INFORMATION

NPDES #IL 0034614
EFFECTIVE DATE: 7/30/75
INTERIM LIMIT DATE:
EXPIRATION DATE: 6/1/79

EFFLUENT LIMITATIONS:

1. Runoff overflow facility shall be designed and maintained to contain runoff from 4.5 inches of rain in 24 hrs.
2. (beginning 6/30/77) No discharge except overflow caused by catastrophic or chronic rainfall events.

COMPLIANCE SCHEDULE:

Complete const. of experimental system	10/15/75
Progress report	7/1/76
Progress and evaluation report*	1/1/77
Attain Op. Level	6/30/77

* If system found unsatisfactory to meet effluent limitations, another plan must be developed and constructed by 6/30/77.

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Martin Landfill at Pecatonica

MAP REFERENCE NO: 12
SITE CODE NO: 20180001
REGISTRATION NO:
COUNTY: Winnebago

BASIN: Rock

SEGMENT: A-06

ADJACENT STREAM(S): Coolidge Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): 50

SITE AREA (ACRES): 3

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA#

Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

EPA MAP REFERENCE: Winnebago - C

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Cheesman Landfill at Freeport

MAP REFERENCE NO: 21 BASIN: Rock
SITE CODE NO: 17702005
REGISTRATION NO:
COUNTY: Stephenson SEGMENT: A-06

ADJACENT STREAM(S): Pecatonica River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Construction Demo

ANNUAL QUANTITY (CU. YDS.): 1,000

SITE AREA (ACRES): 1

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# Application not filed

GENERAL INFORMATION

SITE TOPOGRAPHY: Level area
SURROUNDING LAND USE:

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Martin Landfill at Pecatonica

MAP REFERENCE NO: 12
SITE CODE NO: 20180001
REGISTRATION NO:
COUNTY: Winnebago

BASIN: Rock

SEGMENT: A-06

ADJACENT STREAM(S): Coolidge Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): 50

SITE AREA (ACRES): 3

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA#

Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago - C

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Municipal Landfill at Winslow

MAP REFERENCE NO: 20 BASIN: Rock
SITE CODE NO: 17705501
REGISTRATION NO:
COUNTY: Stephenson SEGMENT: A-06

ADJACENT STREAM(S): Pecatonica

STREAM(S) 7 DAY, 10 YEAR
LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): 550

SITE AREA (ACRES): 3

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Flood Plain
SURROUNDING LAND USE:

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Winslow FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson A

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Municipal Landfill at Stockton

MAP REFERENCE NO: 57 BASIN: Rock
SITE CODE NO: 08581601
REGISTRATION NO:
COUNTY: JoDaviess SEGMENT: A-06

ADJACENT STREAM(S): Yellow Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, wastewater sludge

ANNUAL QUANTITY (CU. YDS.): 11,880

SITE AREA (ACRES): 5

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 72-15

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Silty clay, sand & silt

COEFFICIENT OF PERMEABILITY: 10^{-6}

DEPTH OF AQUIFER: 30'

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level area
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
B-2	1/76		.52	2.2	

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Natural attenuation

PLANNING AREAS

PLANNING AREA
201: Stockton FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: JoDaviess - C

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Mun #2 Ext Landfill at Freeport

MAP REFERENCE NO: 23 BASIN: Rock
SITE CODE NO: 17702008
REGISTRATION NO: PWNA 177
COUNTY: Stephenson SEGMENT: A-06

ADJACENT STREAM(S): Crane Ck. to Yellow Ck. to Pecatonica R. to Rock R.

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): 150,750

SITE AREA (ACRES): 19

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 71-35

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Municipal #2 Landfill at Freeport

MAP REFERENCE NO: 23 BASIN: Rock
SITE CODE NO: 17702002
REGISTRATION NO:
COUNTY: Stephenson SEGMENT: A-06

ADJACENT STREAM(S): Yellow Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, Ind. waste

ANNUAL QUANTITY (CU. YDS.): 150,750

SITE AREA (ACRES): 19

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 74-102

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Clayey soil type

COEFFICIENT OF PERMEABILITY: 10^{-6} to 10^{-7}

DEPTH OF AQUIFER: 6' to 28' to W.T.

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level area
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
1	1/76		63	0.78	610

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Natural attenuation

PLANNING AREAS

PLANNING AREA
201: Freeport FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Stephenson B

3/30/76

LIVESTOCK WASTE INFORMATION

NAME Watts Beef Cattle Feedlot

MAP REFERENCE NO: 13
CONTROL NO: 6220
REGISTRATION NO: P 201 19
COUNTY: Winnebago

BASIN: Rock

SEGMENT: A-06

RECEIVING STREAM: Tunnison Creek

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

ANIMALS: 1,200 beef cattle

HOUSING: 2/3 confined

DRAINAGE AREA:

DESIGN STORM:

WASTE HANDLING SYSTEM: liquid manure problems

LAND AVAILABLE FOR FINAL DISPOSAL:

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago B

COMMENTS

PERMIT INFORMATION

NPDES #IL 0034991
EFFECTIVE DATE: 5/15/75
INTERIM LIMIT DATE:
EXPIRATION DATE: 6/1/79

EFFLUENT LIMITATIONS:

1. Runoff control facilities shall be designed and maintained to contain runoff from 4.8 inches of rain in 24 hrs.
2. Discharge only runoff caused by catastrophic or chronic rainfall events.

COMPLIANCE SCHEDULE:

Submit progress report	1/1/76
Complete final plans	7/1/76
Attain operational status	1/1/76

modified permit - compliance schedule extended at request of permittee.

3/30/76

LIVESTOCK WASTE INFORMATION

NAME Glendennings, Inc.
(cattle feedlot)

MAP REFERENCE NO: 32
CONTROL NO: 6169
REGISTRATION NO: P 141 10
COUNTY: Ogle

BASIN: Rock

SEGMENT: B-02

RECEIVING STREAM: Unnamed trib. of Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 0

FACILITY INFORMATION

ANIMALS: 2000 beef cattle

HOUSING: 50% roofed with liquid waste system

DRAINAGE AREA: 11 acres

DESIGN STORM: 4.8 inches/24 hrs.

WASTE HANDLING SYSTEM: Manure scraped off periodically

LAND AVAILABLE FOR FINAL DISPOSAL: 1800 acres

PERMIT INFORMATION

NPDES #IL 0046906
EFFECTIVE DATE: 5/29/75
INTERIM LIMIT DATE:
EXPIRATION DATE: 4/1/80

EFFLUENT LIMITATIONS:

1. Discharge from runoff control facility only if overflow caused by catastrophic or chronic rainfall events.
2. Runoff control facility shall be maintained to contain runoff from rain of 4.8/inches per 24 hours plus .54 million gallons of process waste water.

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle C

COMMENTS

COMPLIANCE SCHEDULE

Prelim. plans	1/1/76
Complete final plans	6/1/76
Complete const. and install marker to indicate when 73 acre-inches storage available	11/1/76

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

A. A. A. Landfill at Roscoe

MAP REFERENCE NO: 6 BASIN: Rock
SITE CODE NO: 20104004
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-01

ADJACENT STREAM(S): Dry Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Sludge

ANNUAL QUANTITY (CU. YDS.):

SITE AREA (ACRES):

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA#

Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level area
SURROUNDING LAND USE:

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Roscoe FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago - A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Beloit Municipal Landfill at S. Beloit

MAP REFERENCE NO: 5
SITE CODE NO: 20104501
REGISTRATION NO:
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-01

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): 48,060

SITE AREA (ACRES): 75

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA#

Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: South Beloit FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago - A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Collins Landfill at S. Beloit

MAP REFERENCE NO: 3 BASIN: Rock
SITE CODE NO: 20104502
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-01

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Construction Demo

ANNUAL QUANTITY (CU. YDS.): 321,600

SITE AREA (ACRES): 10

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA#

Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level area
SURROUNDING LAND USE: Residential

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: South Beloit FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago - A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Beloit Foundry Landfill at Roscoe

MAP REFERENCE NO: 7 BASIN: Rock
SITE CODE NO: 20104001
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-01

ADJACENT STREAM(S): Dry Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE:

ANNUAL QUANTITY (CU. YDS.): 3,600

SITE AREA (ACRES): 8

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Flood Plain
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Roscoe FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Collins 2 Landfill at So. Beloit

MAP REFERENCE NO: 4
SITE CODE NO: 20104509
REGISTRATION NO:
COUNTY: Winnebago

BASIN: Rock
SEGMENT: B-01

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Sludge

ANNUAL QUANTITY (CU. YDS.): 10,000

SITE AREA (ACRES): 5

LEACHATE QUALITY (MG/L):

FLOW (CFS):

GENERAL INFORMATION

SITE TOPOGRAPHY: Level area
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

PLANNING AREAS

PLANNING AREA
201: Rockton FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

PERMIT INFORMATION

IEPA#

Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

COMMENTS

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

I. W. S. G. Landfill at S. Beloit

MAP REFERENCE NO: 2 BASIN: Rock
SITE CODE NO: 20104504
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-01

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE:

ANNUAL QUANTITY (CU. YDS.): 1,500

SITE AREA (ACRES): 10

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA#

Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Hillside
SURROUNDING LAND USE: Industrial

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: South Beloit FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago - A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Interpace Landfill at S. Beloit

MAP REFERENCE NO: 1
SITE CODE NO: 20104505
REGISTRATION NO:
COUNTY: Winnebago

BASIN: Rock

SEGMENT: B-01

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE:

ANNUAL QUANTITY (CU. YDS.): 1,000

SITE AREA (ACRES): 7

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA#

Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Hillside
SURROUNDING LAND USE: Industrial

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: South Beloit FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago - A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Municipal Landfill at Rockton

MAP REFERENCE NO: 8 BASIN: Rock
SITE CODE NO: 20103501
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-01

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 795

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): 54,750

SITE AREA (ACRES): 10

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Flood Plain
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Rockton FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Carlson Landfill at Loves Park

MAP REFERENCE NO: 11 BASIN: Rock
SITE CODE NO: 20101509
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-02

ADJACENT STREAM(S): Unnamed trib. to Rock R.

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Construction Demo

ANNUAL QUANTITY (CU. YDS.): 1,500

SITE AREA (ACRES): 10

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry
SURROUNDING LAND USE: Residential

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Gunite Landfill at Rockford

MAP REFERENCE NO: 14 BASIN: Rock
SITE CODE NO: 20103019
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-02

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE:

ANNUAL QUANTITY (CU. YDS.): 100

SITE AREA (ACRES): 10

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry
SURROUNDING LAND USE: Industrial

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Johnson Landfill at Byron

MAP REFERENCE NO: 34
SITE CODE NO: 14182003
REGISTRATION NO:
COUNTY: Ogle

BASIN: Rock

SEGMENT: B-02

ADJACENT STREAM(S): Unnamed trib. to Rock R.

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.):

SITE AREA (ACRES): 2

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Gully
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle B

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Nimtz Landfill at Loves Park

MAP REFERENCE NO: 10 BASIN: Rock
SITE CODE NO: 20103008
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-02

ADJACENT STREAM(S): Willow Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Construction Demo

ANNUAL QUANTITY (CU. YDS.): 13,400

SITE AREA (ACRES): 25

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 73-38

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:
Sandy clay loam

COEFFICIENT OF PERMEABILITY: 10^{-6}

DEPTH OF AQUIFER: 25'

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
P-1	10/75		45	0.18	890

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Natural attenuation

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

RFRD Spdy. Landfill at Loves Pk.

MAP REFERENCE NO: 9 BASIN: Rock
SITE CODE NO: 20101510
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-02

ADJACENT STREAM(S): Unnamed trib. to Rock R.

STREAM(S) 7 DAY, 10 YEAR
LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): 150

SITE AREA (ACRES): 1

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Rockford S & G Landfill at Rockford

MAP REFERENCE NO: 16 BASIN: Rock
SITE CODE NO: 20103009
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-02

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 869

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, PO_4 wash water

ANNUAL QUANTITY (CU. YDS.): 261,300

SITE AREA (ACRES): 45

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 73-28

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Sand & gravel

COEFFICIENT OF PERMEABILITY: High

DEPTH OF AQUIFER: > 20 feet

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Hillside
SURROUNDING LAND USE:

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
P-1	10/75		40	.27	528

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Natural attenuation

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

San Dist Landfill at Rockford

MAP REFERENCE NO: 19 BASIN: Rock
SITE CODE NO: 20103020
REGISTRATION NO: P 201 --
COUNTY: Winnebago SEGMENT: B-02

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR
LOW FLOW (CFS): 869

LANDFILL INFORMATION

TYPE OF REFUSE: Incinerator ash

ANNUAL QUANTITY (CU. YDS.): 1,875,000

SITE AREA (ACRES): 50

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA#

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level
SURROUNDING LAND USE: Industrial

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago C

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Willwood Landfill at Rockford

MAP REFERENCE NO: 15 BASIN: Rock
SITE CODE NO: 20103006
REGISTRATION NO:
COUNTY: Winnebago SEGMENT: B-02

ADJACENT STREAM(S): Kent Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Cemetery waste

ANNUAL QUANTITY (CU. YDS.): 555

SITE AREA (ACRES): 2

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 74-18

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level
SURROUNDING LAND USE:

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Rockford FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Winnebago A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Gerdes Landfill at Dixon

MAP REFERENCE NO: 40 BASIN: Rock
SITE CODE NO: 10380607
REGISTRATION NO:
COUNTY: Lee SEGMENT: B-03

ADJACENT STREAM(S): Unnamed trib. to Rock R.

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): 500

SITE AREA (ACRES): 1

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee

3/30/76

PUBLIC WATER SUPPLY INFORMATION

NAME State of Illinois
Dixon St School

MAP REFERENCE NO: 37
CONTROL NO: 0525500
REGISTRATION NO: P 103 --
COUNTY: Lee

BASIN: Rock

SEGMENT: B-03

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): .62

FACILITY INFORMATION

FLOW (AV.,MGD): .5

SOURCE: Rock wells

PRESENT WATER QUALITY (MG/L):

	TDS	TDS HARD	NON-CARB HARD	IRON
RAW:	157	294	0	.10
FINISHED:	0	0	0	.00

TREATMENT TYPE: Zeolite softening

WASTES: Regeneration waste
DISPOSAL:

QUANTITIES: Produces 12,330 gal waste during regeneration of each unit

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Dixon FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Lee A

PERMIT INFORMATION

NPDES #IL Application not filed
EFFECTIVE DATE:
INTERIM LIMIT, DATE:
EXPIRATION DATE:

EFFLUENT LIMITATIONS:

INTERIM

1. $4 \leq pH \leq 10$
2. NO OTHER NUMBERICAL LIMITS. MONITORING REQUIRED FOR PARAMETERS BELOW.

FINAL

BOD
TSS
FE(TOT)
FE(DIS)
TDS

COMPLIANCE SCHEDULE

3/10/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Comm. Steel Landfill at Sterling

MAP REFERENCE NO: 43 BASIN: Rock
SITE CODE NO: 19505004
REGISTRATION NO:
COUNTY: Whiteside SEGMENT: B-04

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR
LOW FLOW (CFS): 1097

LANDFILL INFORMATION

TYPE OF REFUSE: Steel Mill Slag

ANNUAL QUANTITY (CU. YDS.): 624

SITE AREA (ACRES): 1

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 73-39

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Flood Plain
SURROUNDING LAND USE: Industrial

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Koster Landfill at Sterling

MAP REFERENCE NO: 44 BASIN: Rock
SITE CODE NO: 19505005
REGISTRATION NO:
COUNTY: Whiteside SEGMENT: B-04

ADJACENT STREAM(S): Elkhorn Creek

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 23

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage

ANNUAL QUANTITY (CU. YDS.): Small amount

SITE AREA (ACRES): 1

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# Application not filed

GEOLOGIC INFORMATION

UNDERLYING MATERIALS:

COEFFICIENT OF PERMEABILITY:

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Gully
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Municipal Landfill at E. Moline

MAP REFERENCE NO: 58
SITE CODE NO: 16181004
REGISTRATION NO:
COUNTY: Rock Island

BASIN: Rock
SEGMENT: B-04

ADJACENT STREAM(S): Unnamed tributary to the Mississippi River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, sludge

ANNUAL QUANTITY (CU. YDS.): 52,000

SITE AREA (ACRES): 50

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 71-36

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: loess, till

COEFFICIENT OF PERMEABILITY: 10^{-7}

DEPTH OF AQUIFER: 9' to W.T.

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY:
SURROUNDING LAND USE:

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
1	1/76		3	6.4	485

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Natural attenuation

PLANNING AREAS

PLANNING AREA
201: East Moline FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island - B

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Municipal #2 Landfill at Polo

MAP REFERENCE NO: 36 BASIN: Rock
SITE CODE NO: 14180416
REGISTRATION NO:
COUNTY: Ogle SEGMENT: B-04

ADJACENT STREAM(S): Buffalo Ck. to Elkhorn Ck. to Rock R.

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage, mun sludge

ANNUAL QUANTITY (CU. YDS.): 4,680

SITE AREA (ACRES): 17

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 74-100

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Gravel pit, loess, gravel

COEFFICIENT OF PERMEABILITY: 10^{-6}

DEPTH OF AQUIFER: 20' to W.T.

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry on top of hill
SURROUNDING LAND USE: Agricultural

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
1	10/75		17.5	6.1	340

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Natural attenuation

PLANNING AREAS

PLANNING AREA
201: Polo FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Ogle A

3/30/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

NW Steel Landfill at Sterling

MAP REFERENCE NO: 45 BASIN: Rock
SITE CODE NO: 19505001
REGISTRATION NO:
COUNTY: Whiteside SEGMENT: B-04

ADJACENT STREAM(S): Rock River

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 1100

LANDFILL INFORMATION

TYPE OF REFUSE: Steel Mill Slag

ANNUAL QUANTITY (CU. YDS.): 73,000

SITE AREA (ACRES): 5

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 72-25

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Clayey sandy silt

COEFFICIENT OF PERMEABILITY: Medium

DEPTH OF AQUIFER:

GROUND WATER MOVEMENT:
DIRECTION: South
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Quarry
SURROUNDING LAND USE: Industrial

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	TDS
B-1	1/76		563	0.18	550

NEARBY WATER SUPPLIES
LOCATION: SW, SE, SEC 19
DEPTH: 220'

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside B

3/30/76

PUBLIC WATER SUPPLY INFORMATION

NAME Northern Ill Water Corp (Sterling)

MAP REFERENCE NO: 42
CONTROL NO: 0985040
REGISTRATION NO: PH 195 --
COUNTY: Whiteside

BASIN: Rock
SEGMENT: B-04

RECEIVING STREAM: Elkhorn Ck. to Rock R.

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 25.0

FACILITY INFORMATION

FLOW (AV.,MGD): 1.8

SOURCE: Drift and Rock wells

PRESENT WATER QUALITY (MG/L):

	TDS	TDS HARD	NON-CARB HARD	IRON
RAW:				4.5
FINISHED:				.3

TREATMENT TYPE: Iron removal

WASTES:
DISPOSAL: River

QUANTITIES: 31 lb Fe/day @ 22,500 gal

COMMENTS

Filters backwashed twice/day

PLANNING AREAS

PLANNING AREA
201: Sterling FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside D

PERMIT INFORMATION

NPDES #IL 0037788
EFFECTIVE DATE: 7/20/75
INTERIM LIMIT. DATE: 7/1/77
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:

INTERIM

1. $4 \leq pH \leq 10$
2. NO OTHER NUMBERICAL LIMITS. MONITORING REQUIRED FOR PARAMETERS BELOW.

FINAL - 001

BOD	
TSS (mg/l)	15(DM)
FE(TOT)(mg/l)	2.0(DM)
FE(DIS)(mg/l)	0.5(DM)
TDS	

COMPLIANCE SCHEDULE

Final Plans	10/1/75
Begin Const.	12/1/75
Comp. Const.	6/1/77
Op. Level	7/1/77

PUBLIC WATER SUPPLY INFORMATION

NAME Rock Falls

MAP REFERENCE NO: 46
CONTROL NO: 0980450
REGISTRATION NO: P 195 22
COUNTY: Whiteside

BASIN: Rock

SEGMENT: B-04

RECEIVING STREAM: Union drainage ditch to Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS):

FACILITY INFORMATION

FLOW (AV.,MGD): .96

SOURCE: Drift wells

PRESENT WATER QUALITY (MG/L):

	TDS	TDS HARD	NON-CARB HARD	IRON
RAW:	374	291	49	2.60
FINISHED:				.10

TREATMENT TYPE: Iron removal

WASTES: Backwash water
DISPOSAL: River

QUANTITIES: 20 lb Fe/day

COMMENTS

Automatic backwash

PLANNING AREAS

PLANNING AREA
201: Rock Falls FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside - D

PERMIT INFORMATION

NPDES #IL 0048186
EFFECTIVE DATE: 7/20/75
INTERIM LIMIT, DATE: 7/1/77
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:

INTERIM

1. $4 \leq pH \leq 10$
2. NO OTHER NUMBERICAL LIMITS. MONITORING REQUIRED FOR PARAMETERS BELOW.

FINAL - .001

BOD
TSS 15 mg/1 (DM)
FE(TOT) 2.0 mg/1 (DM)
FE(DIS) 0.5 mg/1 (DM)
TDS

COMPLIANCE SCHEDULE

Final plans	10/1/75
Begin const.	12/1/75
Comp const.	6/1/77
Op. level	7/1/77

3/10/76

SOLID WASTE INFORMATION

FACILITY NAME AND LOCATION:

Whiteside Co. Landfill at Morrison

MAP REFERENCE NO: 47 BASIN: Rock
SITE CODE NO: 19581401
REGISTRATION NO:
COUNTY: Whiteside SEGMENT: B-04

ADJACENT STREAM(S): Unnamed trib. to Rock R.

STREAM(S) 7 DAY, 10 YEAR LOW FLOW (CFS): 0

LANDFILL INFORMATION

TYPE OF REFUSE: Garbage & Ind. Waste

ANNUAL QUANTITY (CU. YDS.): 150,000

SITE AREA (ACRES):

LEACHATE QUALITY (MG/L):

FLOW (CFS):

PERMIT INFORMATION

IEPA# 73-19

GEOLOGIC INFORMATION

UNDERLYING MATERIALS: Silt, silty clay with interlevel wet seams

COEFFICIENT OF PERMEABILITY: $> 10^{-5}$

DEPTH OF AQUIFER: 23' to W.T.

GROUND WATER MOVEMENT:
DIRECTION:
RATE:

GENERAL INFORMATION

SITE TOPOGRAPHY: Level
SURROUNDING LAND USE:

GROUND WATER INFORMATION

MONITOR WELLS-WATER QUALITY (MG/L):

NO.	DATE	WL	CL	FE	Mn
W-3	10/75		5.0	.07	0.05

NEARBY WATER SUPPLIES
LOCATION:
DEPTH:

COMMENTS

Ground water pollution potential is high

PLANNING AREAS

PLANNING AREA
201:
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Whiteside C

3/30/76

PUBLIC WATER SUPPLY INFORMATION

NAME Rock Island

MAP REFERENCE NO: 56
CONTROL NO: 0810650
REGISTRATION NO: P 161 12
COUNTY: Rock Island

BASIN: Rock

SEGMENT: B-05

RECEIVING STREAM: Rock River

STREAM 7-DAY 10-YEAR LOW FLOW (CFS): 1450

FACILITY INFORMATION

FLOW (AV.,MGD): 6.8

SOURCE: Mississippi River

PRESENT WATER QUALITY (MG/L):

	TDS	TDS HARD	NON-CARB HARD	IRON
RAW:	210	158	20	.50
FINISHED:	230	221	81	.02

TREATMENT TYPE: Purification

WASTES:
DISPOSAL: Recirculation

QUANTITIES:

COMMENTS

PLANNING AREAS

PLANNING AREA
201: Rock Island FPA
208:

DESIGNATED LEAD AGENCY (201):

FPA MAP REFERENCE: Rock Island B

PERMIT INFORMATION

NPDES #IL 0003832
EFFECTIVE DATE: 7/20/75
INTERIM LIMIT. DATE: 7/1/77
EXPIRATION DATE: 12/31/78

EFFLUENT LIMITATIONS:

INTERIM

1. $4 \leq pH \leq 10$
2. NO OTHER NUMBERICAL LIMITS. MONITORING REQUIRED FOR PARAMETERS BELOW.

FINAL - 001

BOD_5 (mg/l)	30(DA)
TSS (mg/l)	30(DA)
FE (TOT)	
FE (DIS)	
TDS	

COMPLIANCE SCHEDULE

Pre. Rept. & Basis of Design	9/30/75
Final Plans	12/31/75
Begin Const.	3/31/76
Comp. Const.	5/31/77
Op. Level	7/01/77

State of Illinois

Environmental Protection Agency

PHASE I

of the

WATER QUALITY MANAGEMENT BASIN PLAN

for the

ROCK RIVER BASIN

Volume IV

Facility Planning Area Maps

Printed by the Authority of the State of Illinois

July 1, 1976

Organization of Volumes

Volume

I Existing Water Quality

This volume is the main document for the Phase I Plans. It contains the identification of water quality problems of the basin and sets forth an initial interim program to alleviate those problems. It has been arranged by chapters and includes Appendices C, D, and E.

II County Maps (Appendix A)

Discharge points of the wastewater treatment facilities within the basin have been provided on county maps with the related basin and segment lines shown. An additional set of county maps has been included to show the locations of the operating solid waste disposal sites, public water supply treatment facilities that discharge to surface waters and the associated surface water intakes, permitted feedlots, deep well disposal sites, and permitted mines in the basin. Additional information concerning each discharge may be found in Volume III.

III Discharge Information Sheets (Appendix B)

This volume contains a collection of information sheets including wastewater treatment facilities, permitted feedlots, public water supply facilities, deep well disposal sites, permitted mines, and operating solid waste disposal sites. An index to discharges within each county in the basin is provided. Locations of the discharges may be found on the maps in Volume II.

IV Facility Planning Area Maps (Appendix F)

Preliminary FPA boundaries are shown as delineated at this time within the basin. Each county map has been divided into a number of overlapping portions designated A, B, C, etc. and so labeled. The appropriate FPA and corresponding county map for a specific facility may be determined by referring to the information sheet found in Volume III.

APPENDIX F

FACILITY PLANNING AREA MAPS

The IEPA has delineated preliminary facility planning areas for those portions of the state recognized as requiring municipal wastewater treatment facilities. Maps showing the boundaries of these FPAs, as designed at this time, are included in this Appendix.

Each county within the state has been subdivided into overlapping portions for easier handling. Each portion has been given a letter reference for identification. The appropriate map reference for a specific facility may be found by consulting Volume III.

More refined county maps, similar to those found in Volume II but showing FPAs, are expected to be produced early in Phase II.

Figure 1 indicates the boundaries of this basin and those counties which are wholly or partially included. Other FPAs may be found by consulting Volume IV of the appropriate basin plan.

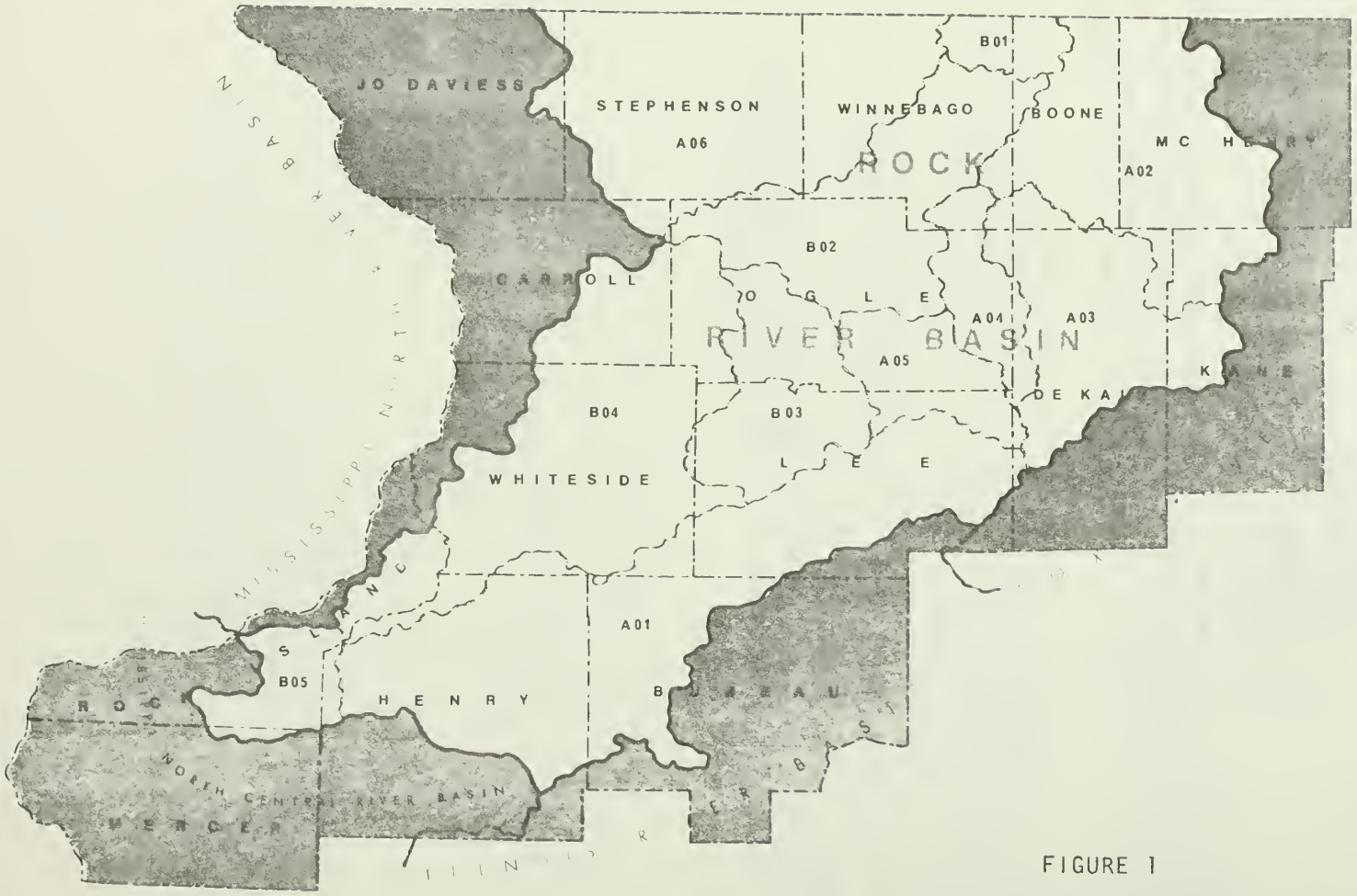
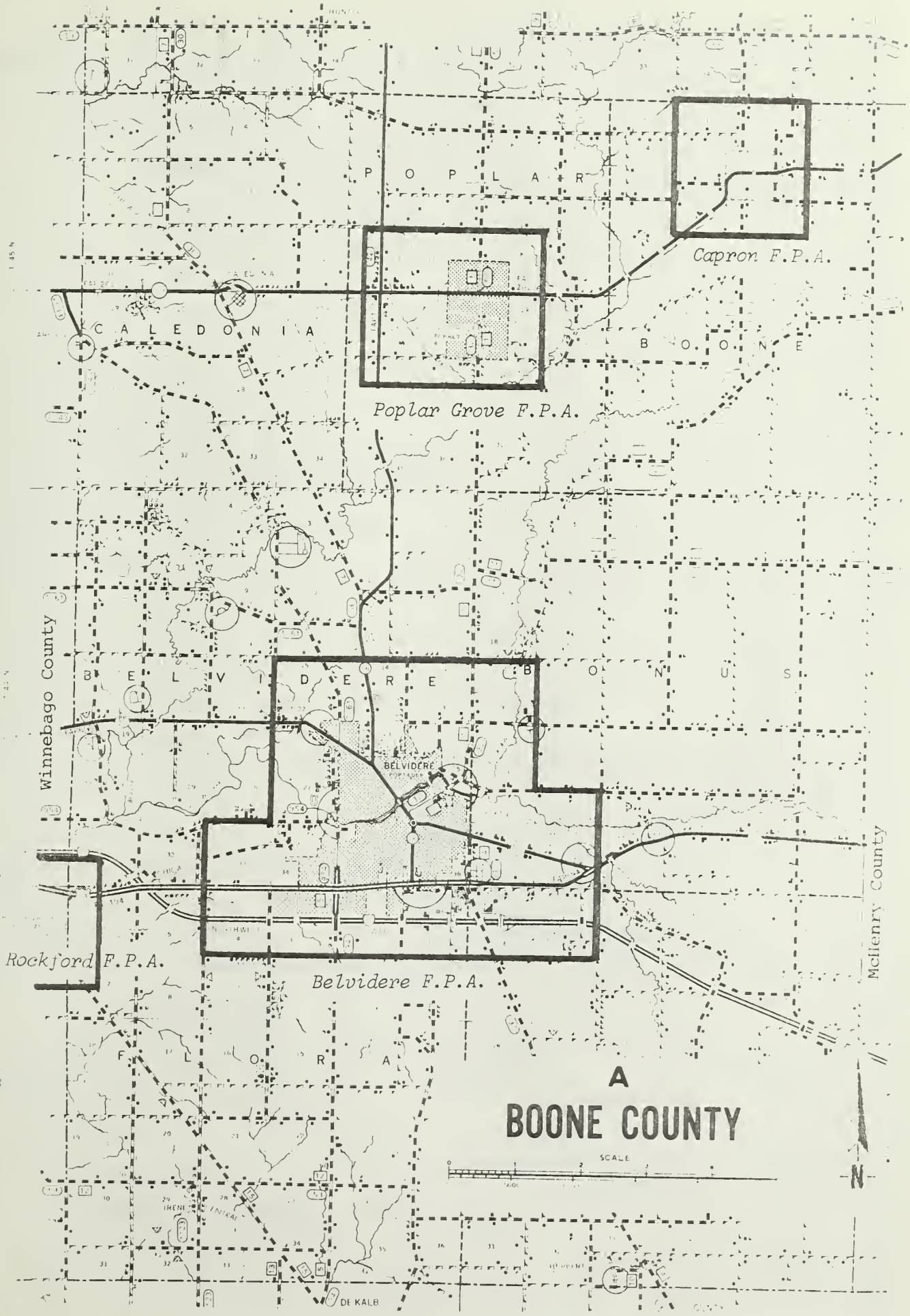
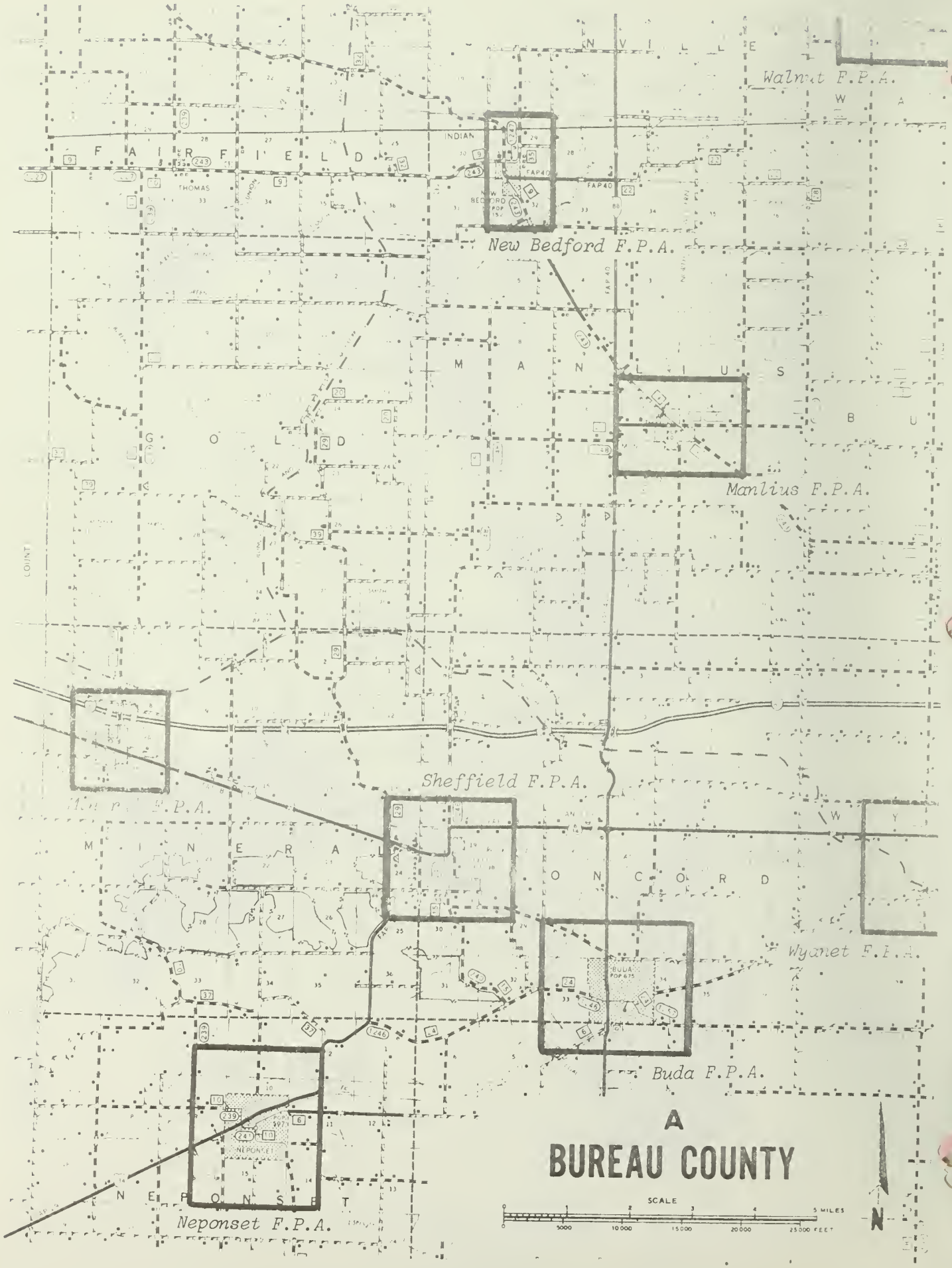
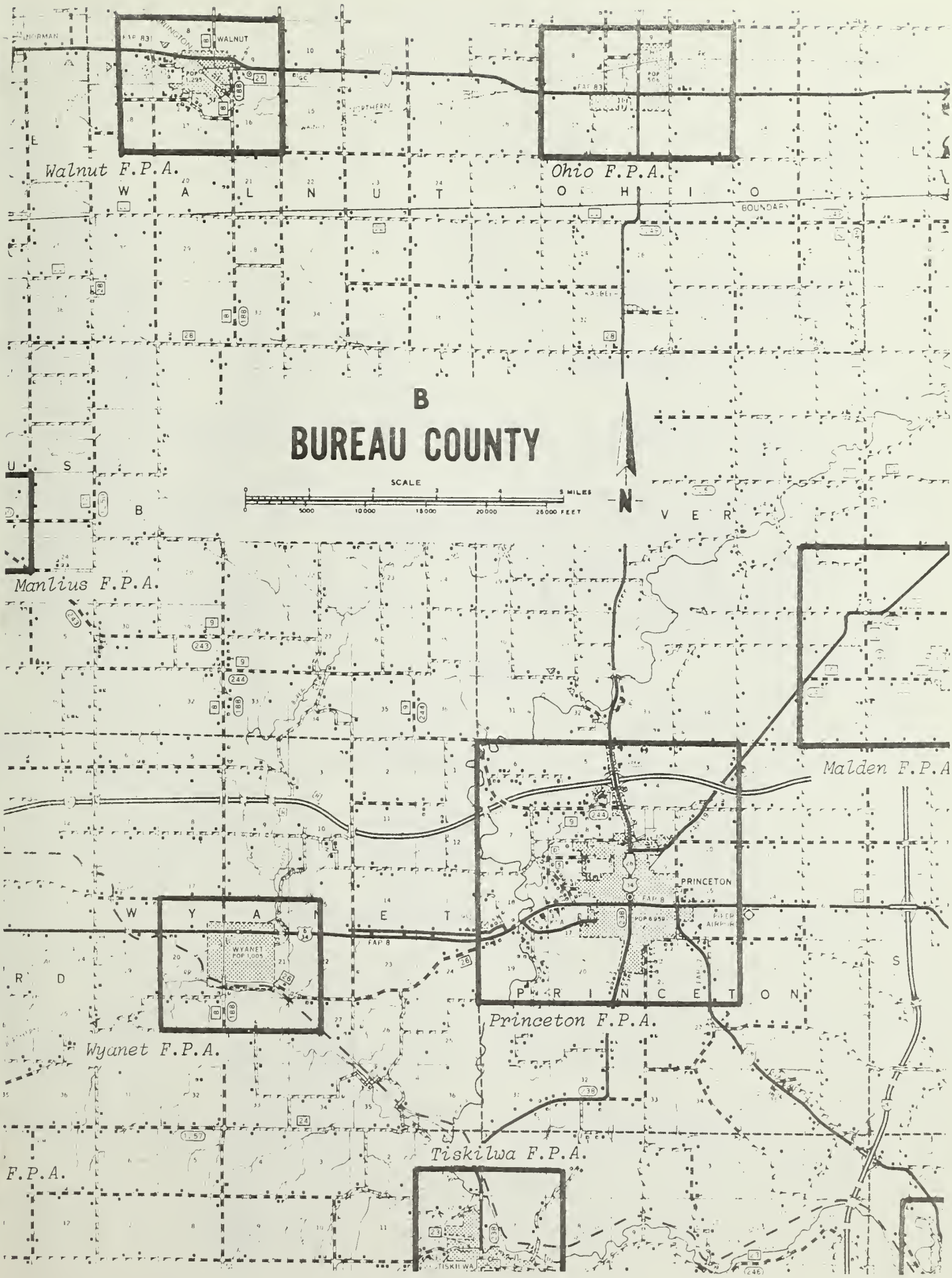


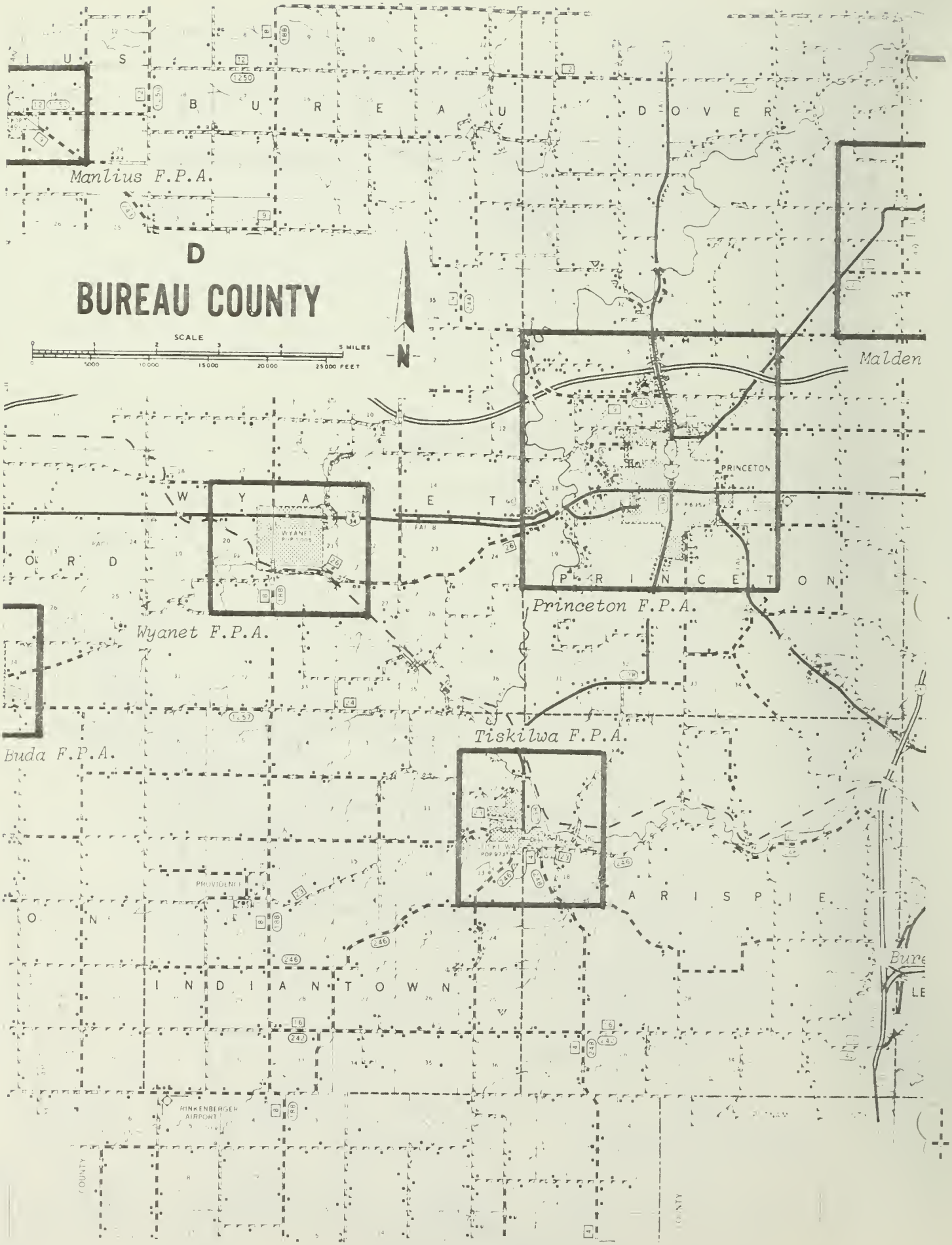
FIGURE 1

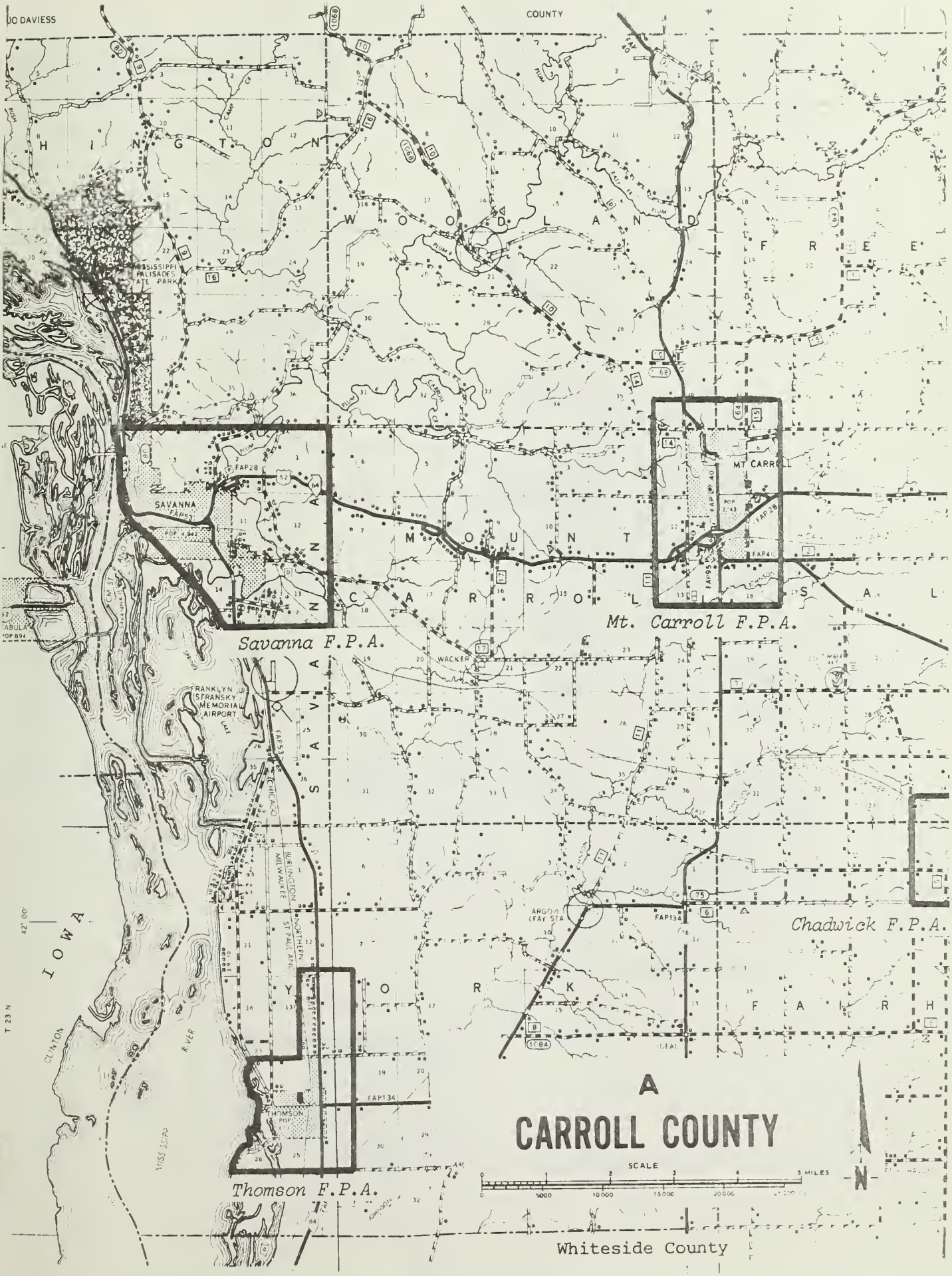
ROCK RIVER BASIN

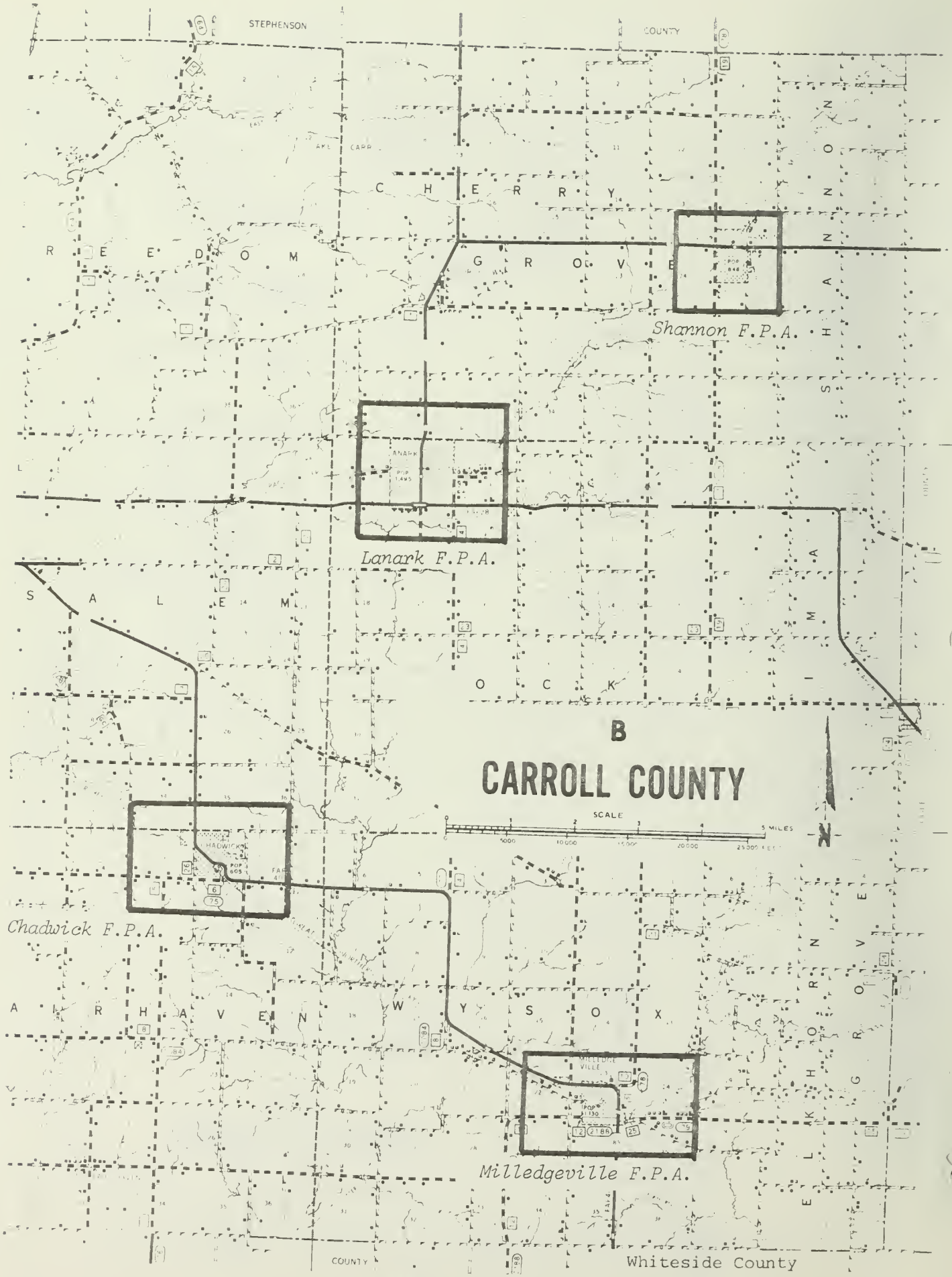

P O P L A R
Capron F.P.A.
C A L E D O N I A
B O O N E
Poplar Grove F.P.A.
Winnebago County
B E L V I D E R E
B O N U S
BELVIDERE
Rockford F.P.A.
Belvidere F.P.A.
McHenry County
F L O R A
A
BOONE COUNTY
SCALE
N
DE KALB

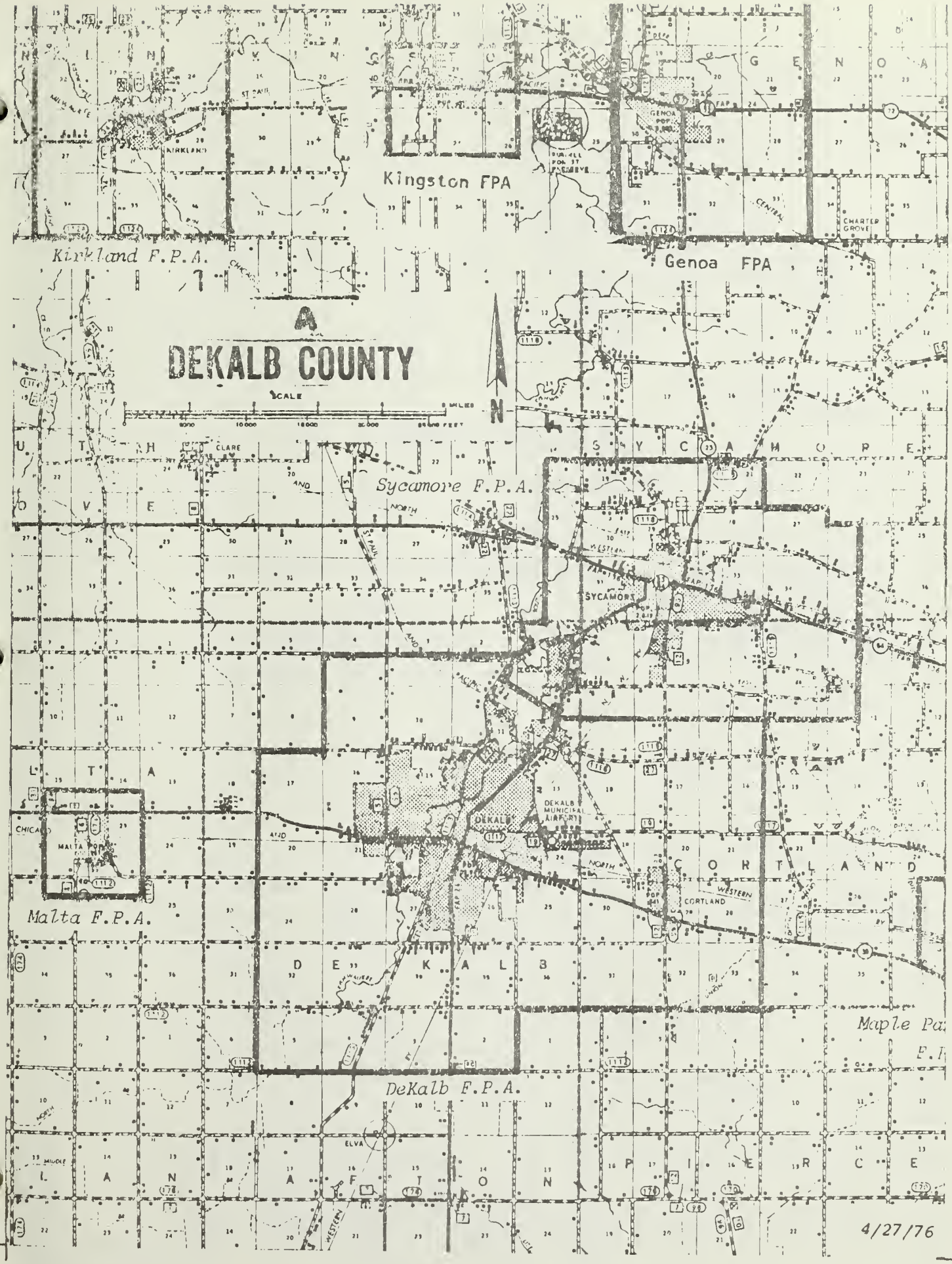

Walnut F.P.A.
New Bedford F.P.A.
Manlius F.P.A.
Sheffield F.P.A.
Wyanet F.P.A.
Buda F.P.A.
Neponset F.P.A.
A
BUREAU COUNTY
SCALE
N

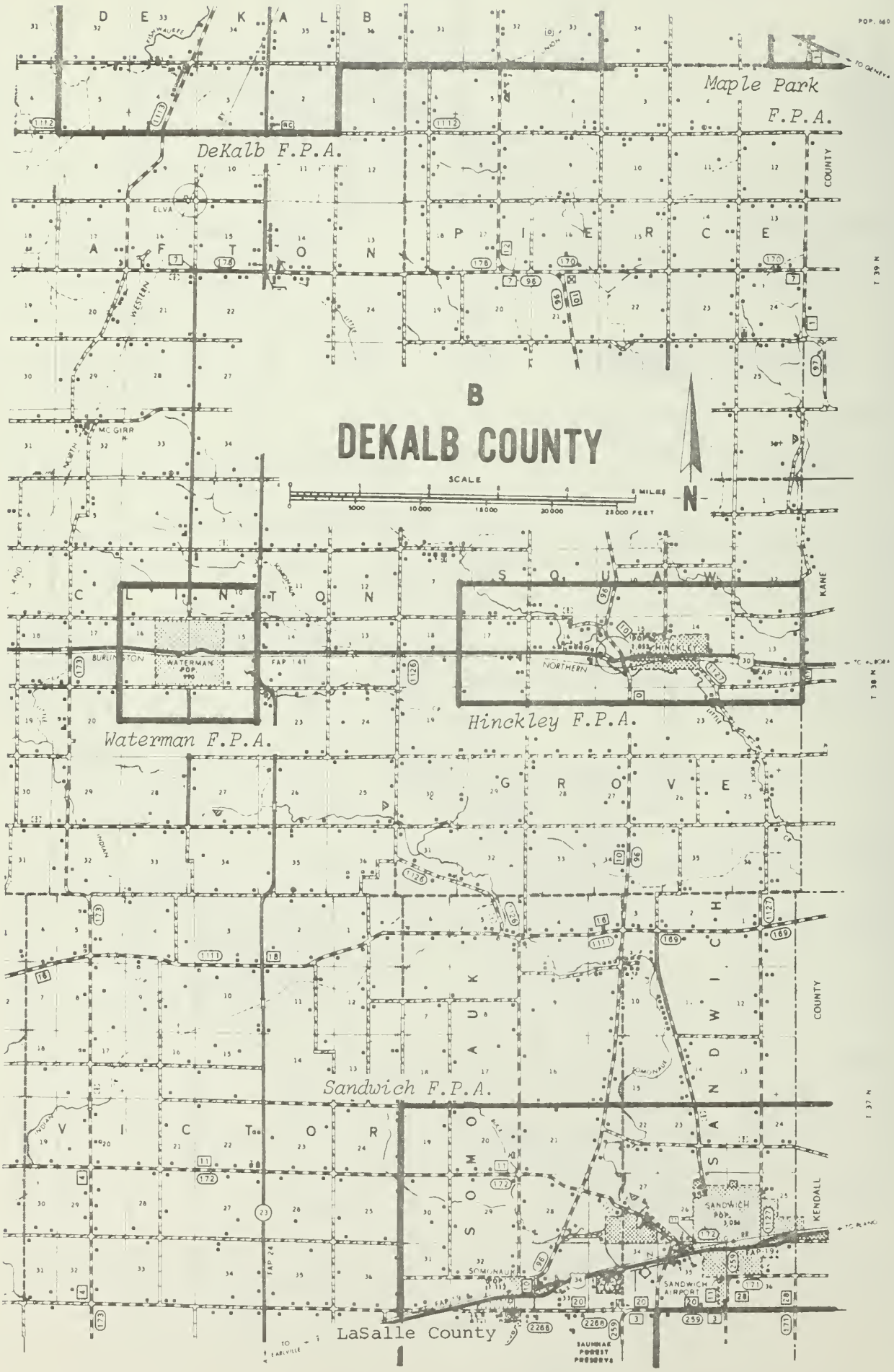

Walnut F.P.A.
Ohio F.P.A.
W A L N U T
O H I O
BOUNDARY
B
BUREAU COUNTY
SCALE
5 MILES
5000 10000 15000 20000 25000 FEET
N
Manlius F.P.A.
Malden F.P.A
PRINCETON
W Y A N E T
WYANET
POP 1,005
PRINCETON
Princeton F.P.A.
Wyanet F.P.A.
Tiskilwa F.P.A.
F.P.A.

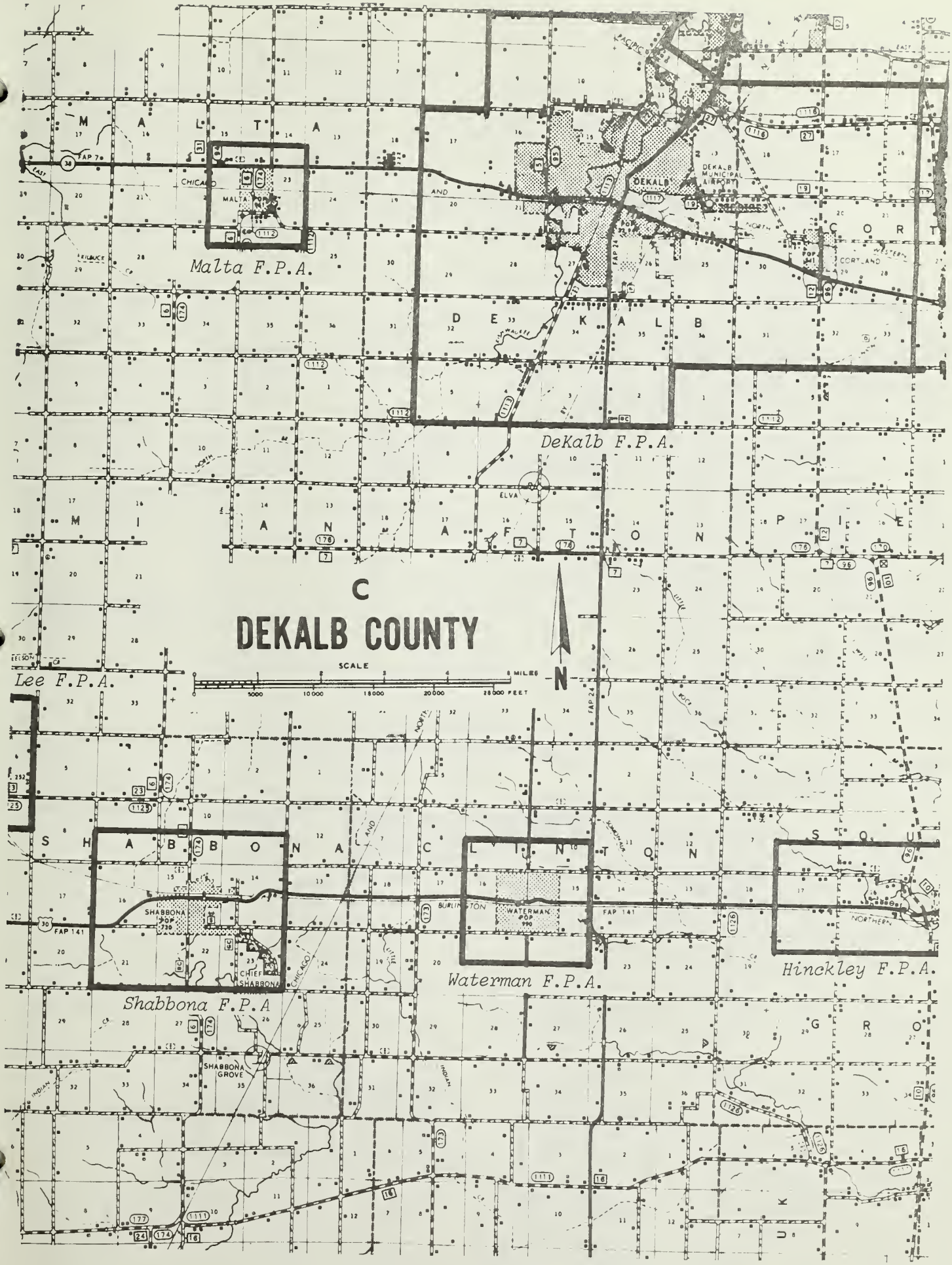

BUREAU COUNTY
SCALE
5 MILES
25000 FEET
N
Manlius F.P.A.
Malden
PRINCETON
Princeton F.P.A.
Wyanet F.P.A.
Buda F.P.A.
Tiskilwa F.P.A.
PROVIDENCE
INDIANTOWN
RINKENBERGER AIRPORT

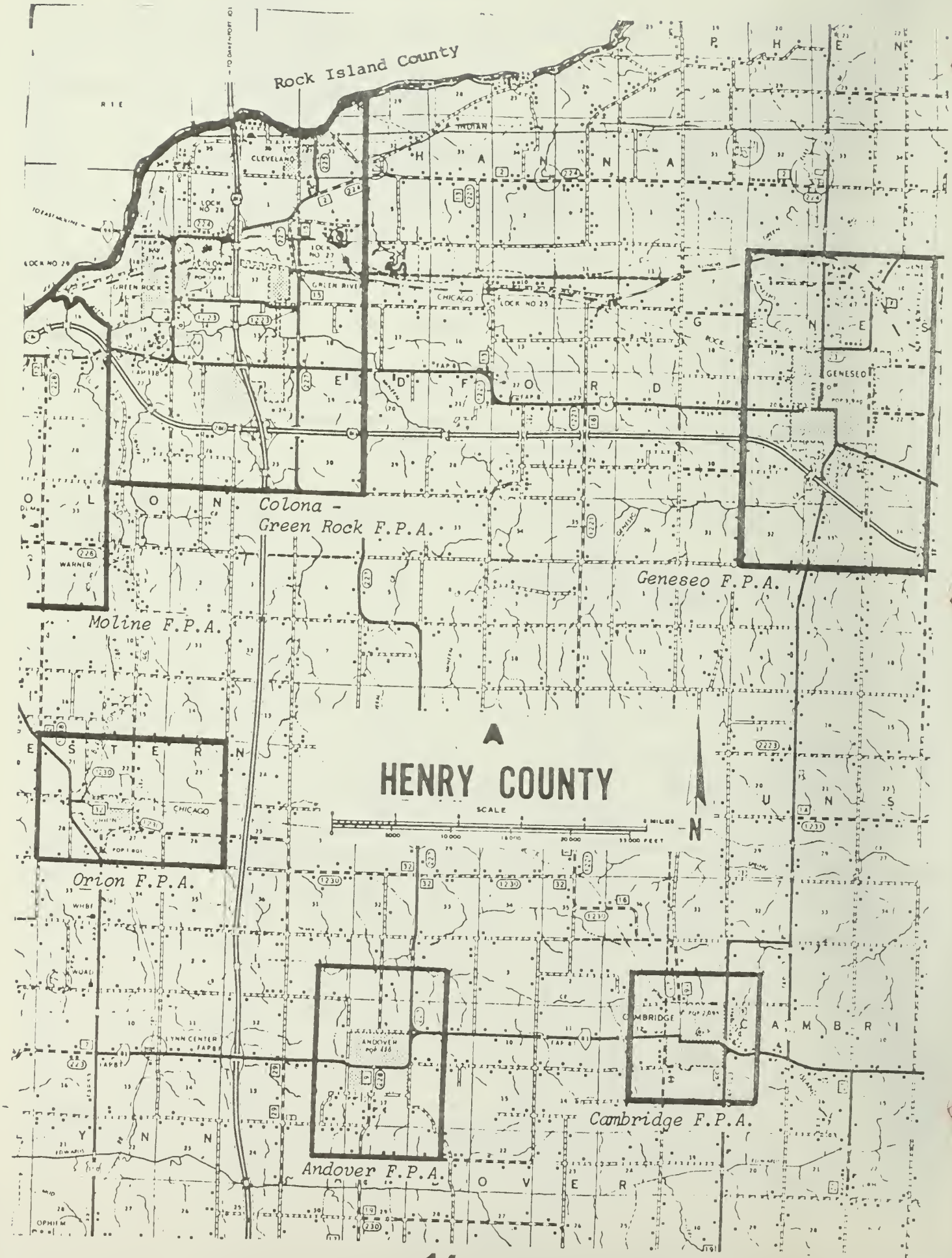

COUNTY
H I N G T O N
W O O D L A N D
F R E E
M O U N T
C A R R O L L
S A L
S A V A N N A
Y O R K
F A R R H
IOWA
MISSISSIPPI PALISADES STATE PARK
SAVANNA
POP 4,842
FAP28
FAP53
MT CARROLL
POP 2,143
FAP40
FAP134
WACKER
FRANKLYN STRANSKY MEMORIAL AIRPORT
CHICAGO BURLINGTON MILWAUKEE NORTHERN ST PAUL AND
ARGOW (FAY STA)
THOMSON
POP
CLINTON
MISSISSIPPI RIVER
T 23 N
42° 00'
Savanna F.P.A.
Mt. Carroll F.P.A.
Chadwick F.P.A.
Thomson F.P.A.
A
CARROLL COUNTY
SCALE
0 1 2 3 4 5 MILES
5000 10000 15000 20000
N
Whiteside County

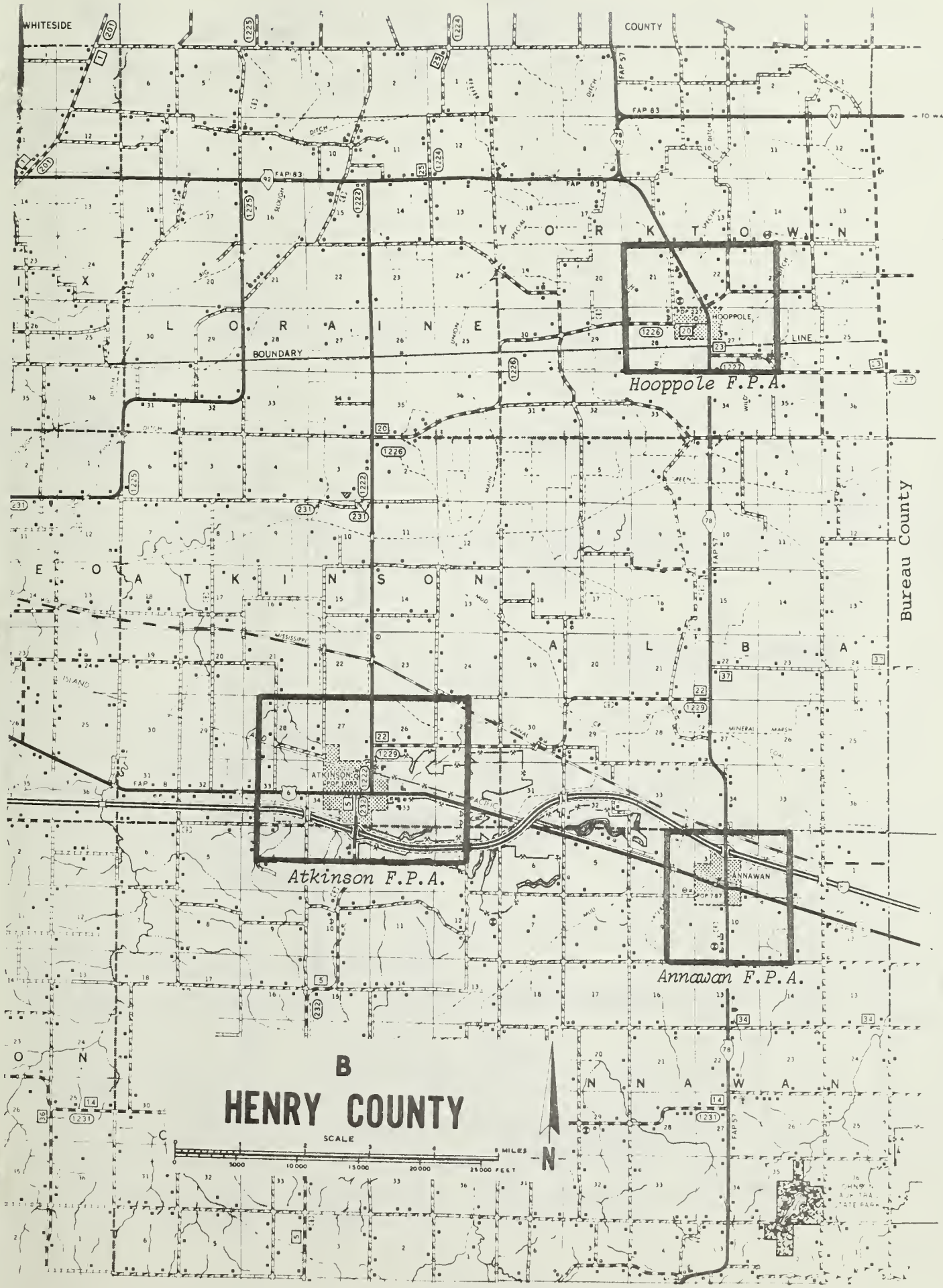

STEPHENSON
COUNTY
C H E R R Y
G R O V E
R E E D O M
Shannon F.P.A.
Lanark F.P.A.
S A L E M
O C K
B
CARROLL COUNTY
SCALE
Chadwick F.P.A.
A R H A V E N
W Y S O X
Milledgeville F.P.A.
COUNTY
Whiteside County

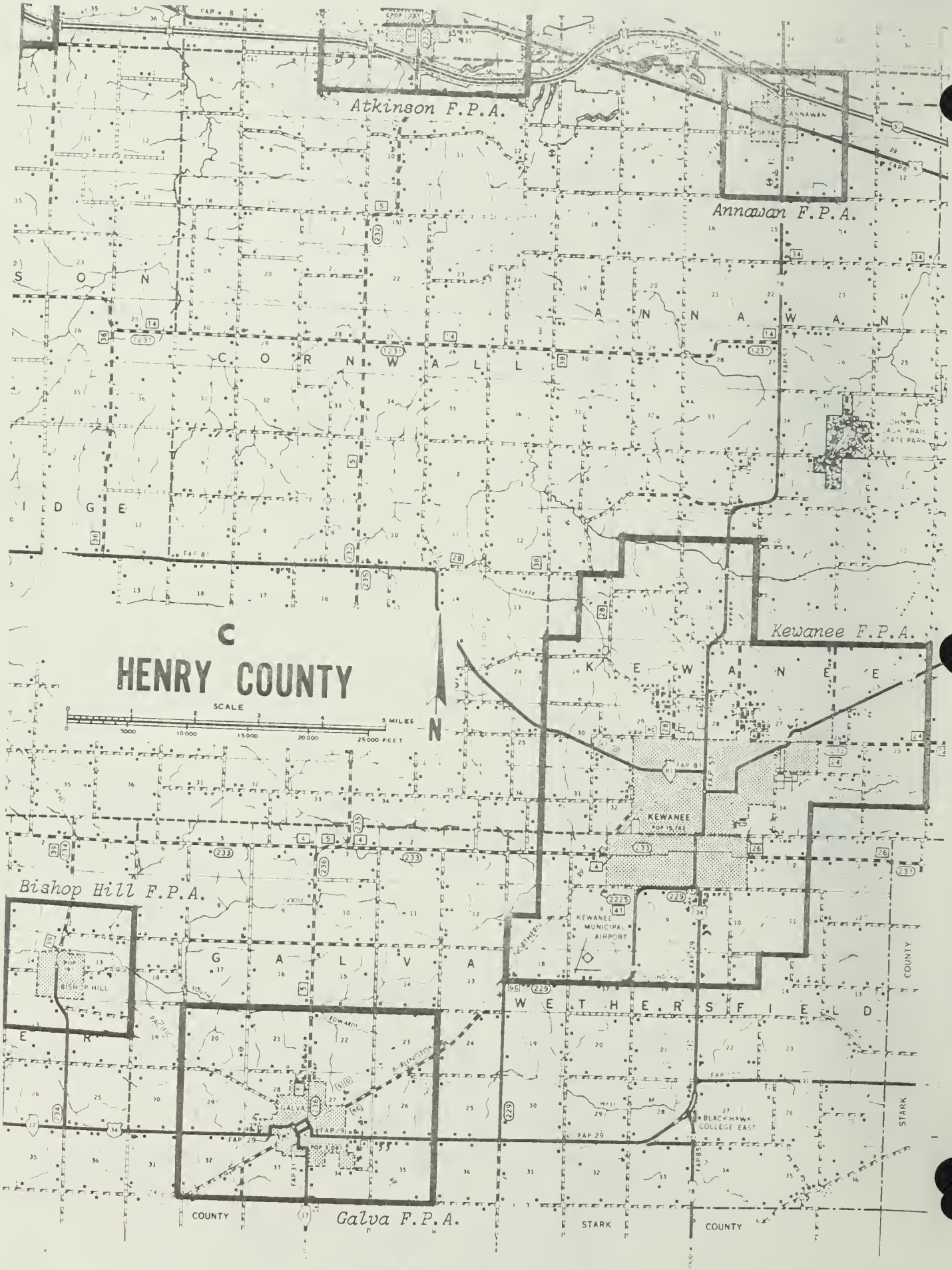

DEKALB COUNTY
SCALE
N
Kingston FPA
Genoa FPA
Kirkland F.P.A.
Sycamore F.P.A.
Malta F.P.A.
DeKalb F.P.A.
Maple Pa
F.P.
SYCAMORE
DEKALB
CORTLAND
MALTA
KIRKLAND
GENOA
ELVA
DEKALB MUNICIPAL AIRPORT
4/27/76

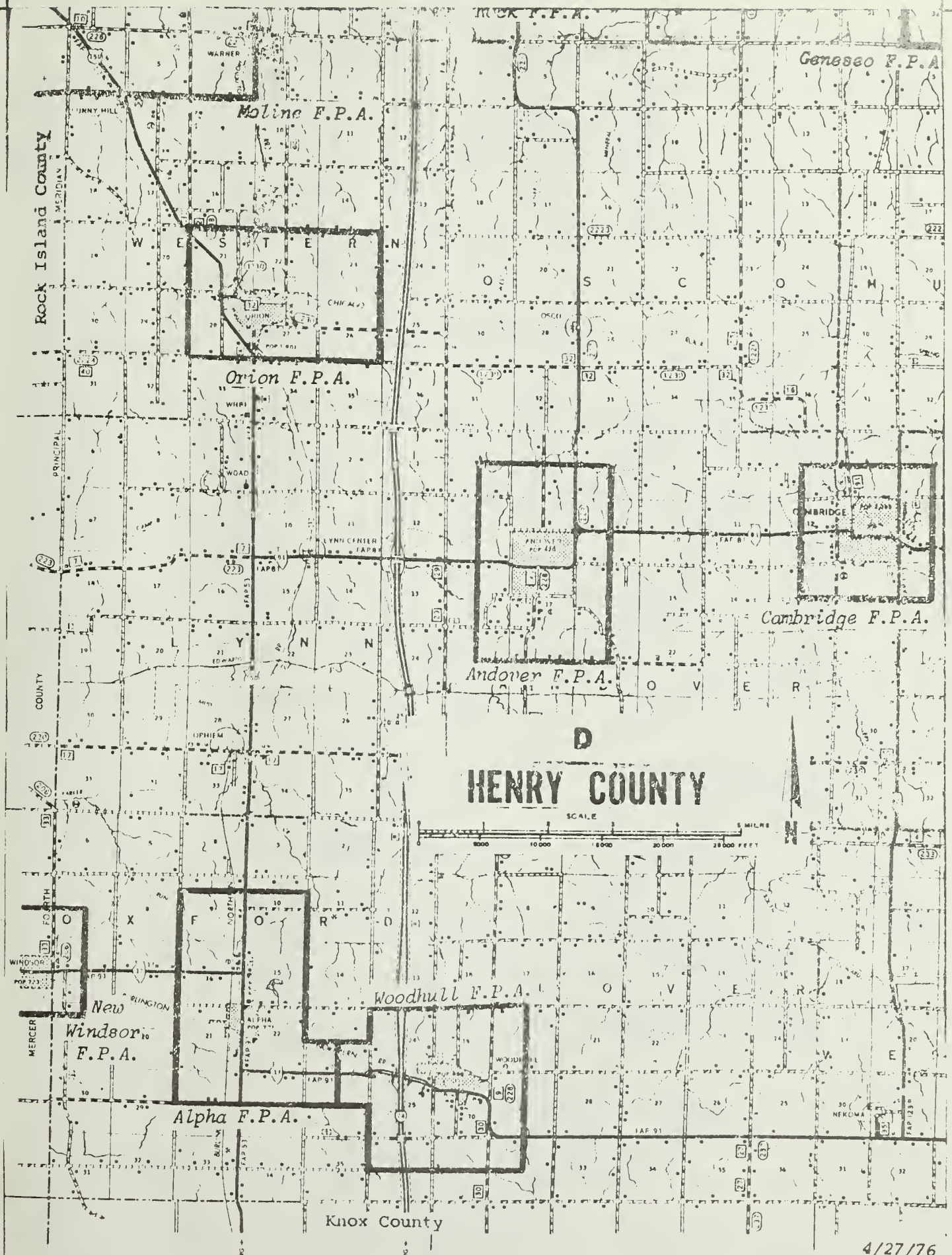

DEKALB COUNTY
SCALE
MILES
FEET
N
Maple Park F.P.A.
DeKalb F.P.A.
Waterman F.P.A.
Hinckley F.P.A.
Sandwich F.P.A.
LaSalle County
DEKALB
SOUTH GROVE
CLINTON
VICTOR
SOMONAUK
SANDWICH
ELVA
WATERMAN
HINCKLEY
SANDWICH
SOMONAUK
SANDWICH AIRPORT
BAUMHAK FOREST PRESERVE
KANE
KENDALL
COUNTY
T 39 N
T 38 N
T 37 N
41° 50'
41° 45'
41° 41'

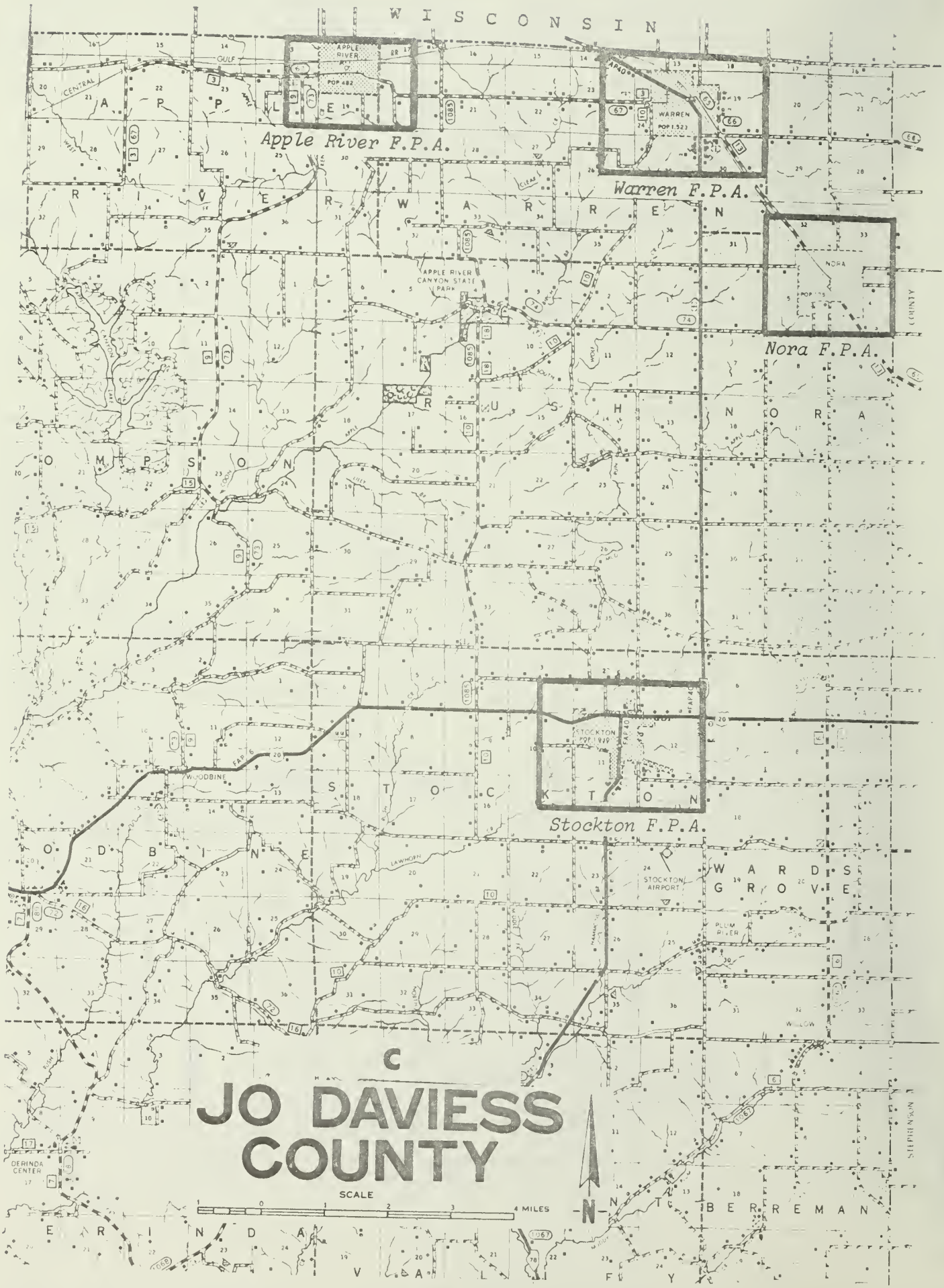

C
DEKALB COUNTY
SCALE
N
Malta F.P.A.
DeKalb F.P.A.
Lee F.P.A.
Shabbona F.P.A
Waterman F.P.A.
Hinckley F.P.A.
MALTA
DEKALB
MIANA
AFTON
SHABBONA
CLINTON
SOUTH GROVE
CORTLAND
DEKALB MUNICIPAL AIRPORT
SHABBONA POP 730
WATERMAN POP 990
CHIEF SHABBONA
SHABBONA GROVE
ELVA
FAP 7
FAP 24
FAP 141
CHICAGO AND NORTHWESTERN
BURLINGTON
NORTHERN

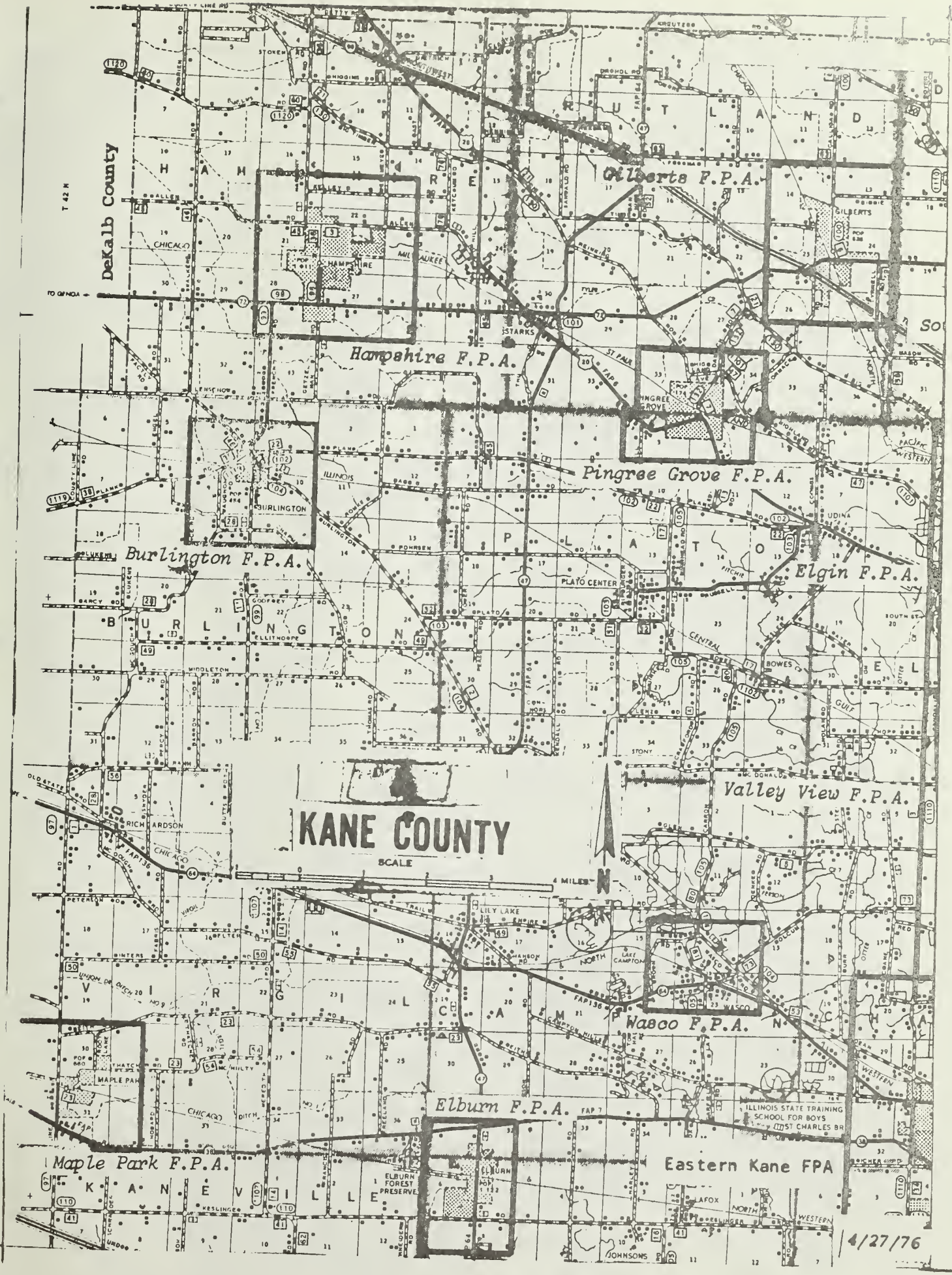

Rock Island County
Colona - Green Rock F.P.A.
Geneseo F.P.A.
Moline F.P.A.
HENRY COUNTY
Orion F.P.A.
Andover F.P.A.
Cambridge F.P.A.

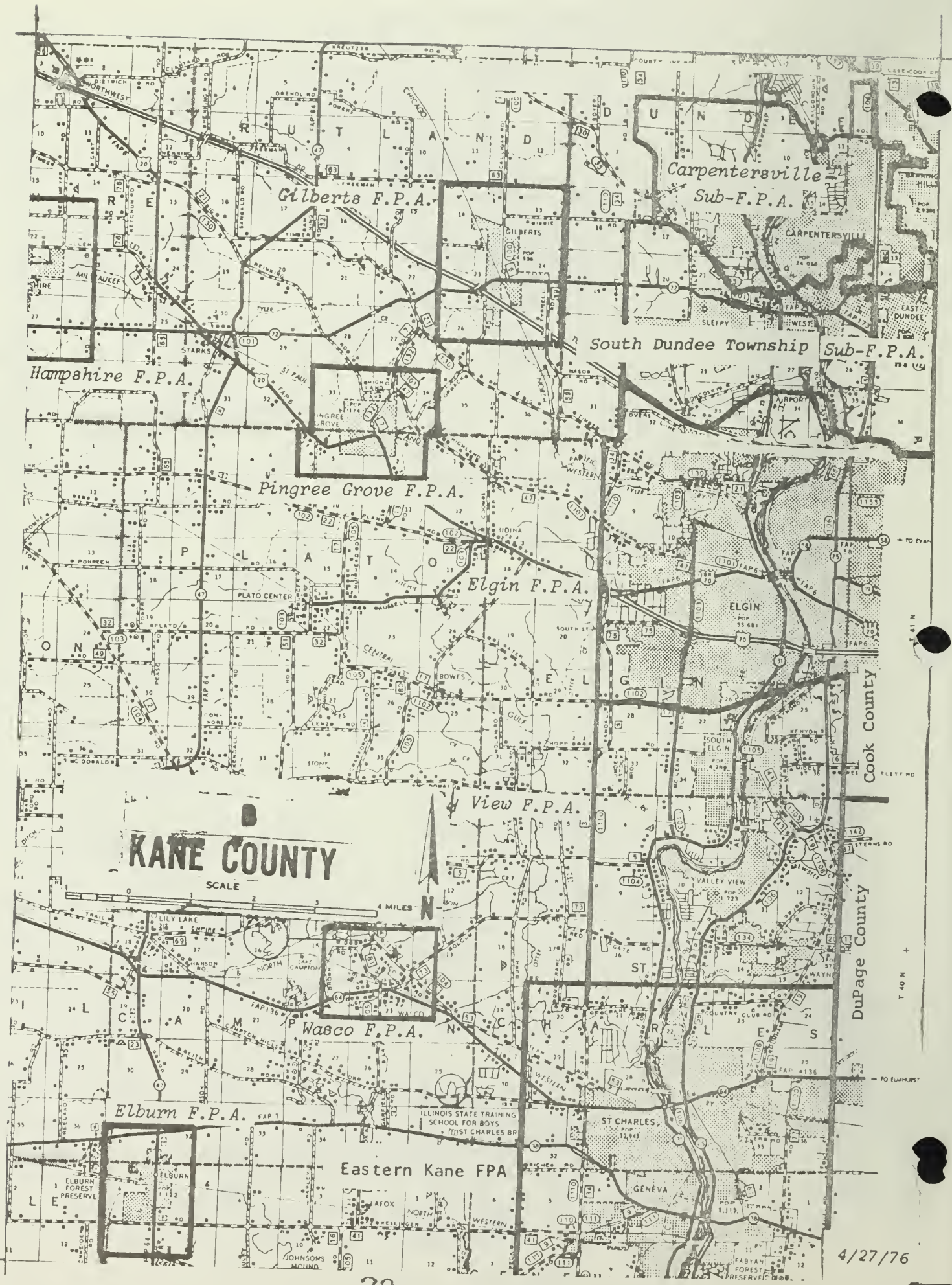

WHITESIDE
COUNTY
FAP 83
TO WALN
YORKTOWN
LORAINE
BOUNDARY
LINE
HOOPPOLE
POP 235
Hooppole F.P.A.
Bureau County
ATKINSON
ALBA
ATKINSON
POP 1,093
Atkinson F.P.A.
ANNAWAN
POP 787
Annawan F.P.A.
B
HENRY COUNTY
SCALE
MILES
5000
10000
15000
20000
25000 FEET
N

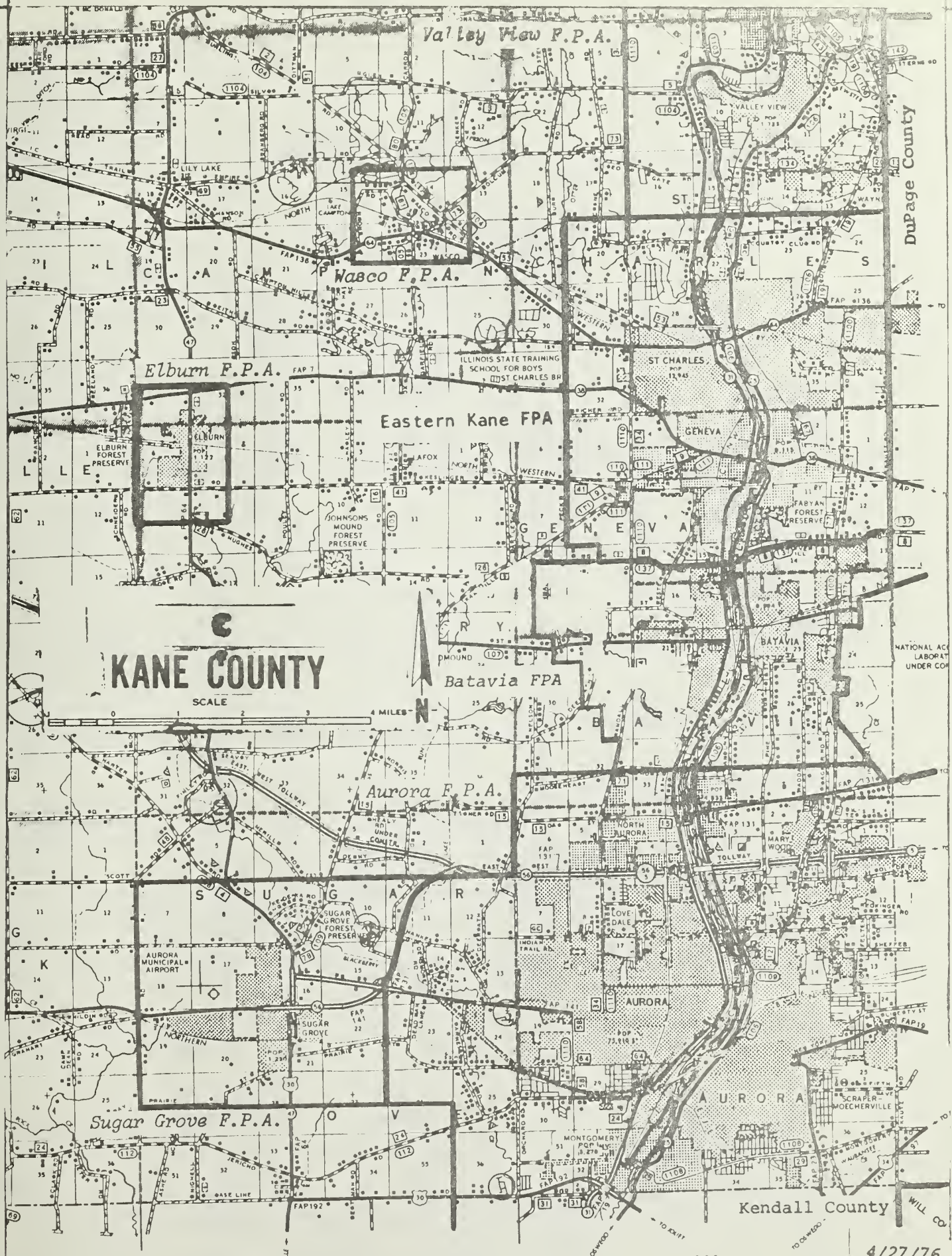

Atkinson F.P.A.
Annawan F.P.A.
Kewanee F.P.A.
Bishop Hill F.P.A.
Galva F.P.A.
HENRY COUNTY
SCALE
N
S O N
C O R N W A L L
A N N A W A N
I D G E
K E W A N E E
G A L V A
W E T H E R S F I E L D
E R
KEWANEE
KEWANEE MUNICIPAL AIRPORT
BISHOP HILL
GALVA
BLACKHAWK COLLEGE EAST
COUNTY
STARK
COUNTY
STARK
COUNTY

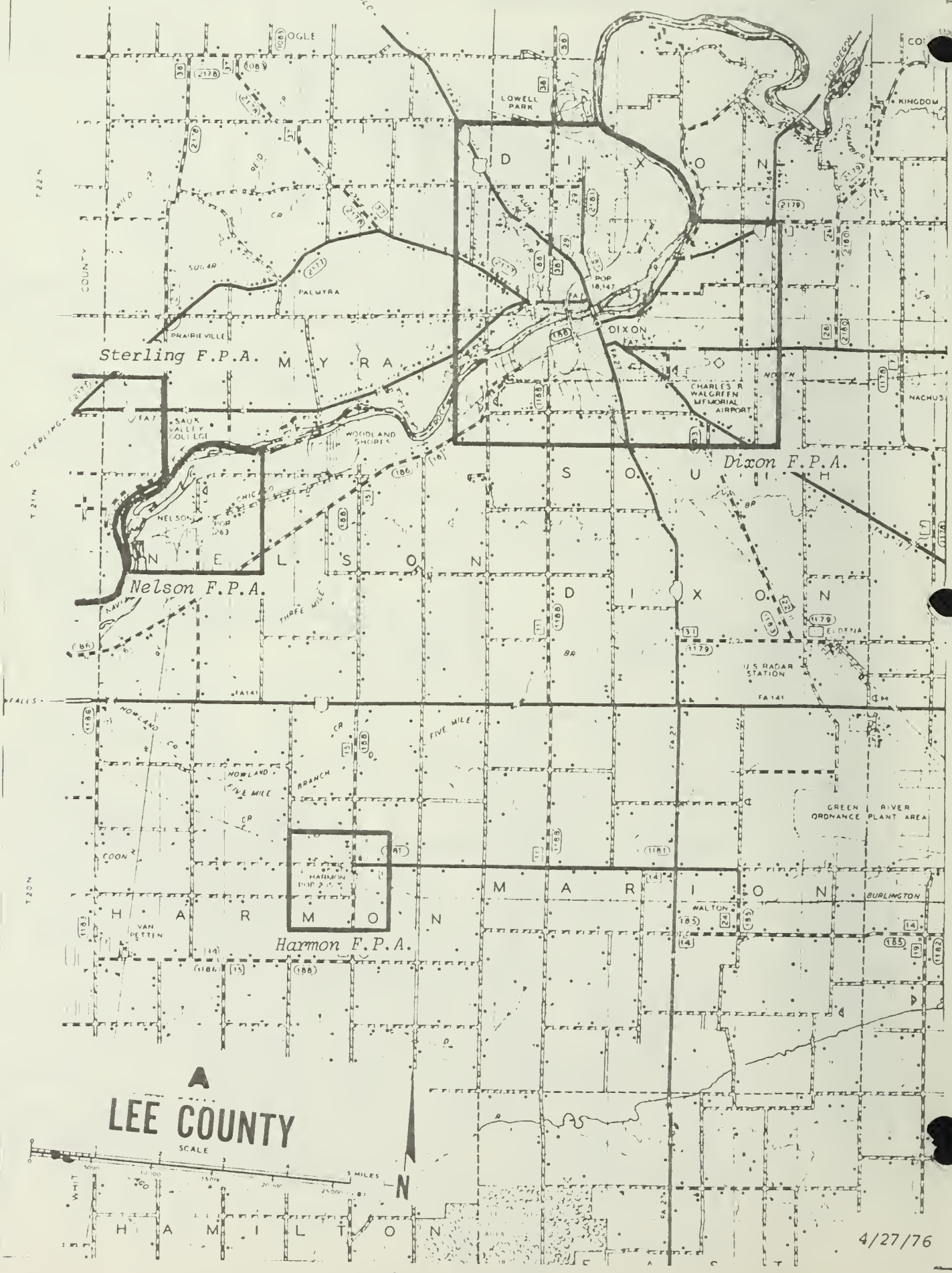

Rock Island County
Moline F.P.A.
Genesco F.P.A.
Orion F.P.A.
Andover F.P.A.
Cambridge F.P.A.
HENRY COUNTY
SCALE
Woodhull F.P.A.
New Windsor F.P.A.
Alpha F.P.A.
Knox County
4/27/76

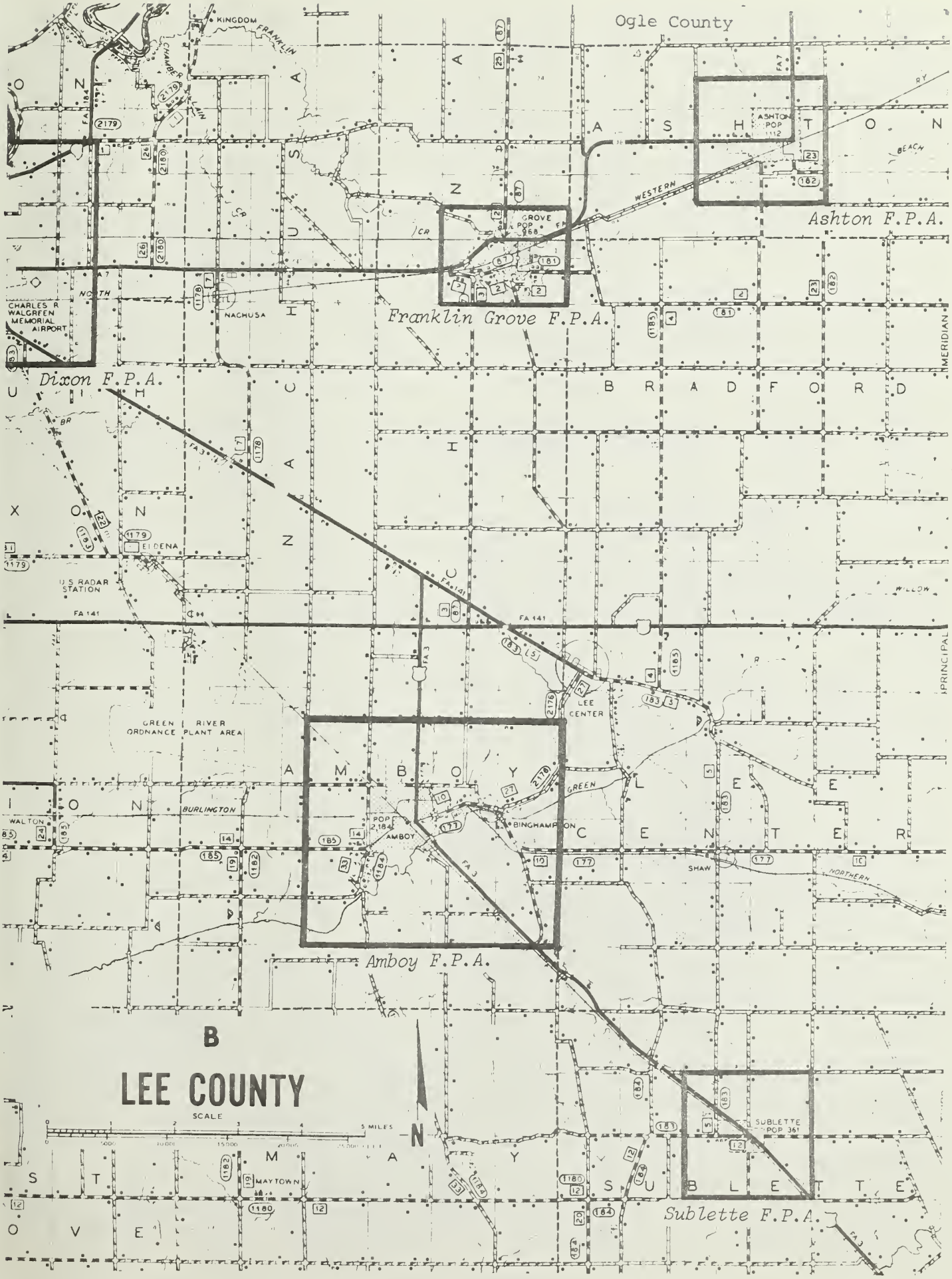

WISCONSIN
Apple River F.P.A.
Warren F.P.A.
Nora F.P.A.
Stockton F.P.A.
APPLE RIVER
POP 482
WARREN
POP 1523
NORA
STOCKTON
APPLE RIVER CANYON STATE PARK
WOODBINE
STOCKTON AIRPORT
PLUM RIVER
WILLOW
DERINDA CENTER
SCALE
4 MILES
N
APPLE RIVER
WARREN
NORA
STOCKTON
WARDS GROVE
BERRIEMAN
ERINDA
VALLEY
JO DAVIESS COUNTY

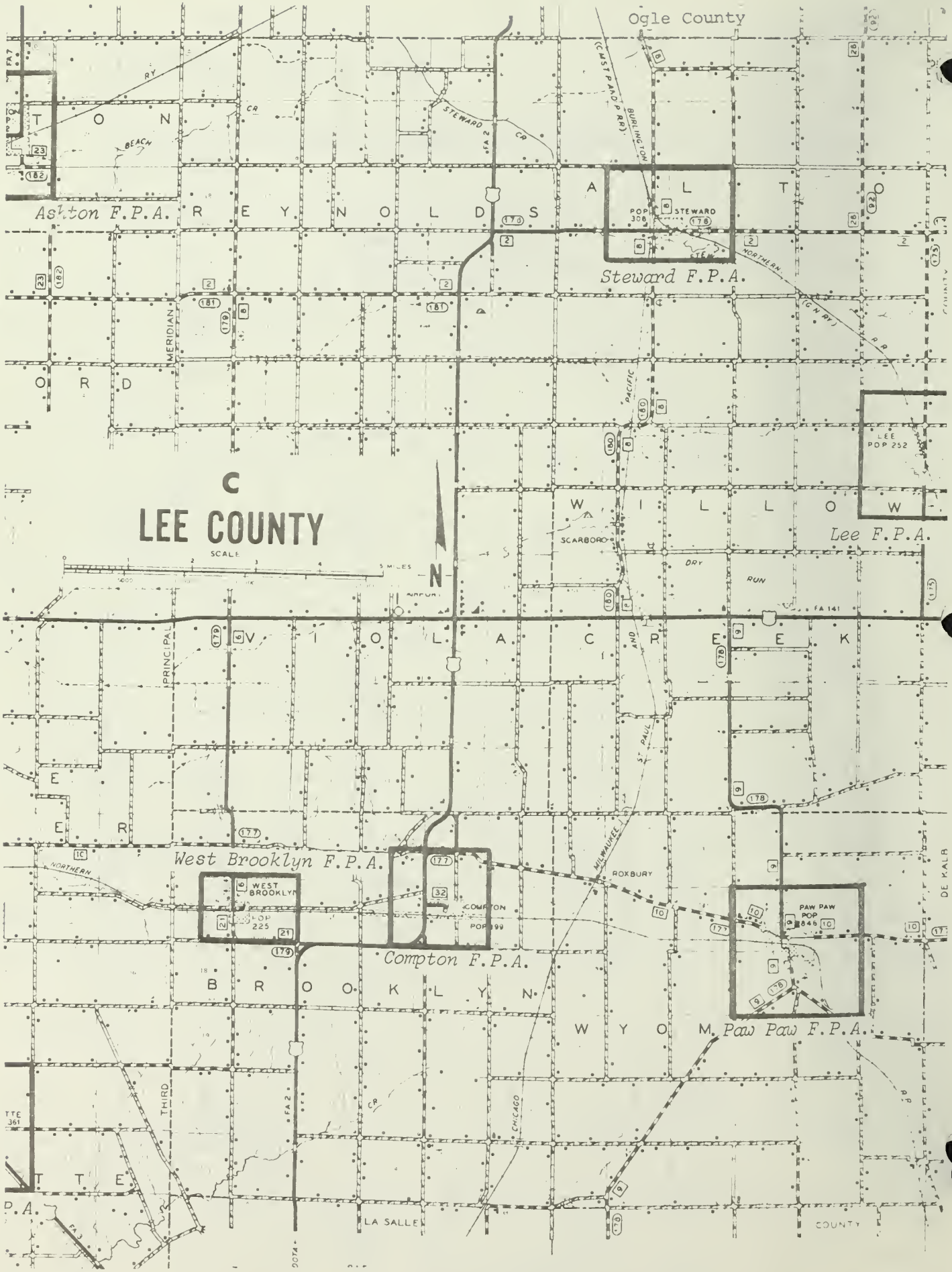

DeKalb County
Gilberts F.P.A.
Hampshire F.P.A.
Pingree Grove F.P.A.
Burlington F.P.A.
Elgin F.P.A.
Valley View F.P.A.
KANE COUNTY
SCALE
4 MILES
N
Wasco F.P.A.
Elburn F.P.A.
Maple Park F.P.A.
Eastern Kane FPA
4/27/76

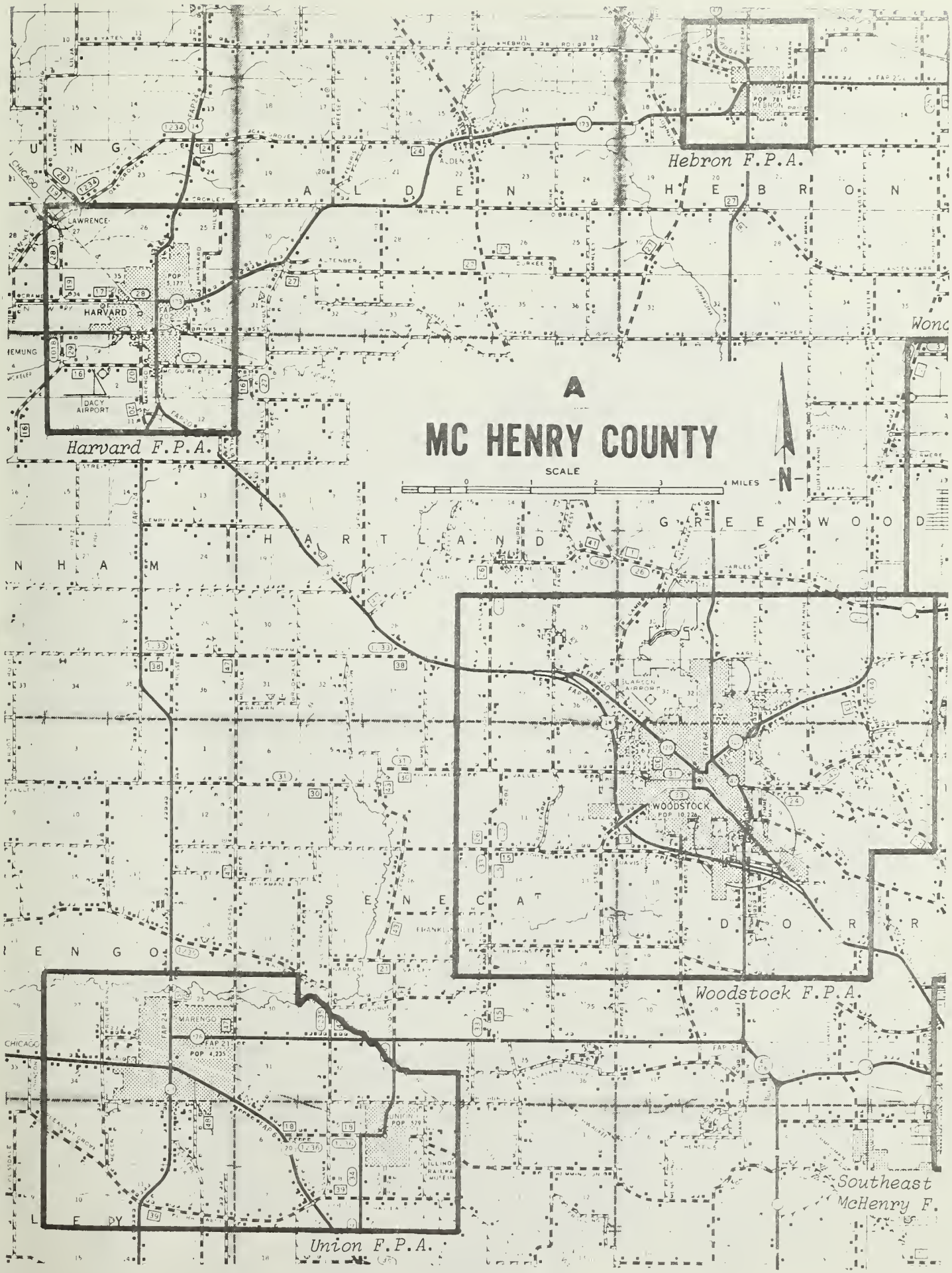

KANE COUNTY
SCALE
0 1 2 3
4 MILES
N
Gilberts F.P.A.
Carpentersville Sub-F.P.A.
South Dundee Township Sub-F.P.A.
Hampshire F.P.A.
Pingree Grove F.P.A.
Elgin F.P.A.
View F.P.A.
Wasco F.P.A.
Elburn F.P.A.
Eastern Kane FPA
Cook County
DuPage County
R U T L A N D
D U N D E E
P L A T O N
E L G I N
C A M P T O N
S T. C H A R L E S
L E
ELGIN
ST CHARLES
GENEVA
CARPENTERSVILLE
PLATO CENTER
VALLEY VIEW
ILLINOIS STATE TRAINING SCHOOL FOR BOYS
ELBURN FOREST PRESERVE
JOHNSONS MOUND
FABYAN FOREST PRESERVE
4/27/76

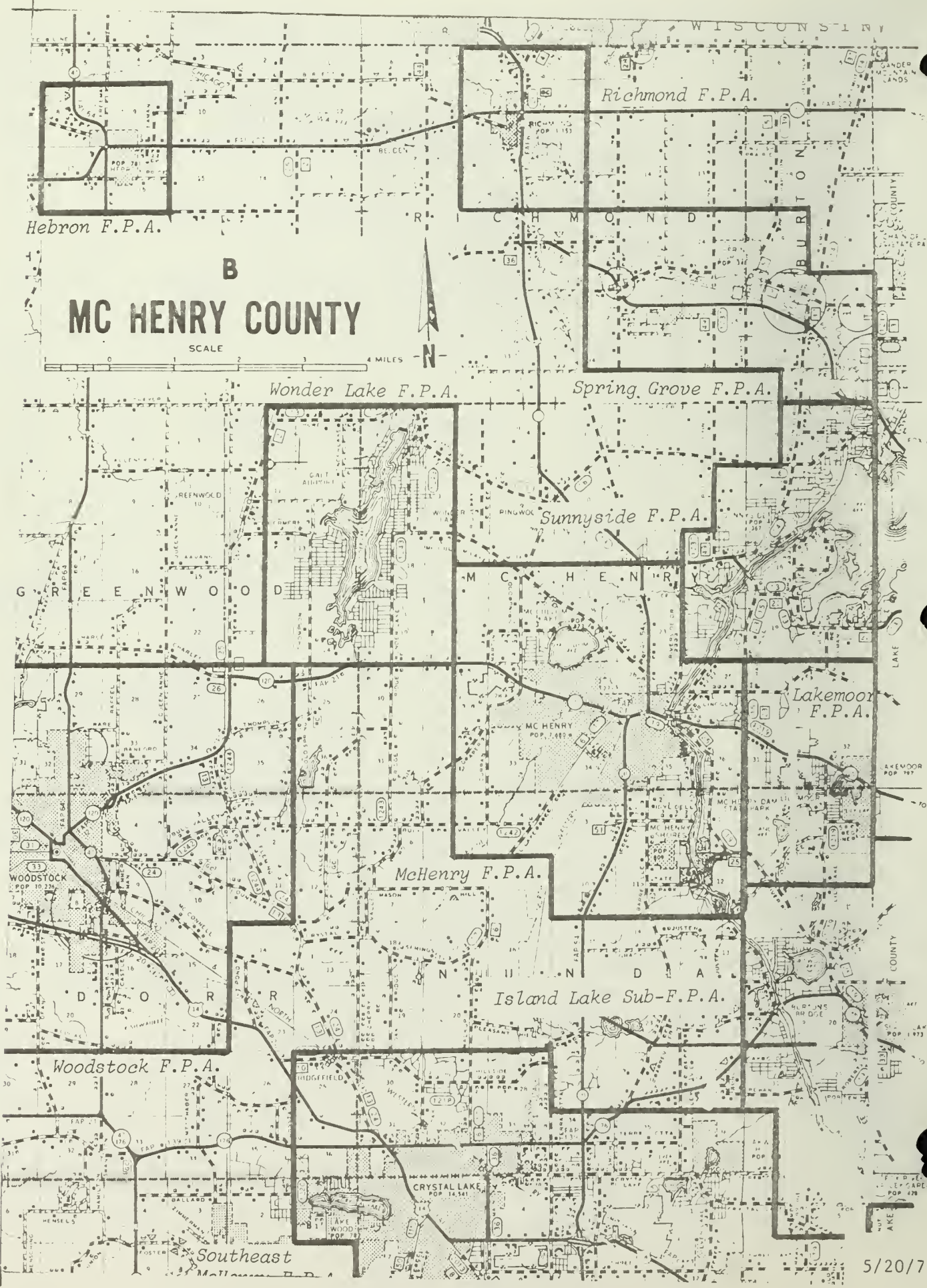

Valley View F.P.A.
Wasco F.P.A.
Elburn F.P.A.
Eastern Kane FPA
Batavia FPA
Aurora F.P.A.
Sugar Grove F.P.A.
KANE COUNTY
SCALE
4 MILES
DuPage County
Kendall County
ST CHARLES
GENEVA
BATAVIA
AURORA
ELBURN
SUGAR GROVE
ELBURN FOREST PRESERVE
JOHNSONS MOUND FOREST PRESERVE
FABYAN FOREST PRESERVE
SUGAR GROVE FOREST PRESERVE
AURORA MUNICIPAL AIRPORT
ILLINOIS STATE TRAINING SCHOOL FOR BOYS
LILY LAKE
VALLEY VIEW
NORTH AURORA
MONTGOMERY
SCRAPER-MOECHERVILLE
R 7 E
R 8 E
4/27/76

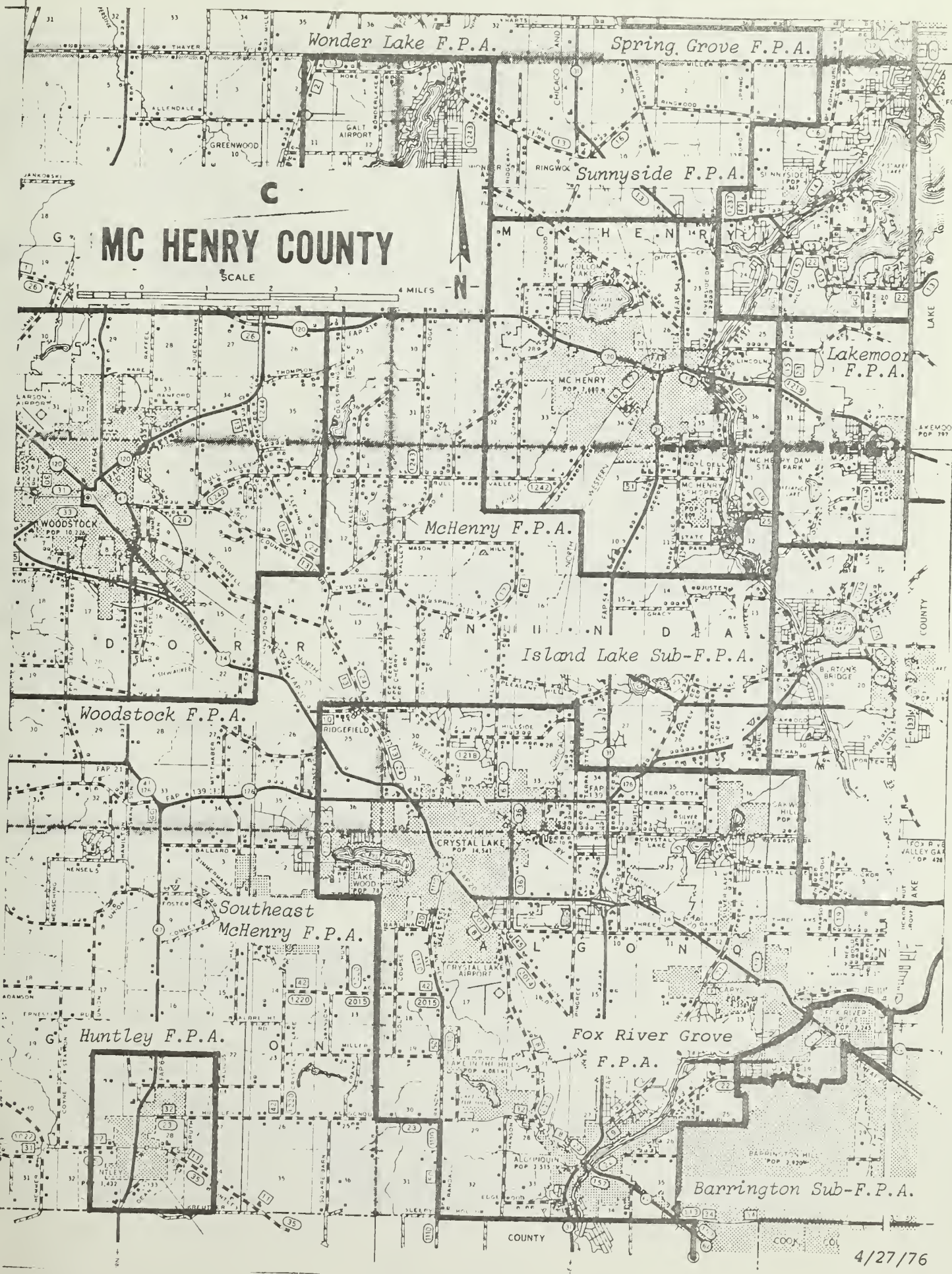

LEE COUNTY
SCALE
N
Sterling F.P.A.
Nelson F.P.A.
Dixon F.P.A.
Harmon F.P.A.
DIXON
MARION
HAMILTON
HARMON
NELSON
SOUTH DIXON
LOWELL PARK
PALMYRA
PRAIRIEVILLE
SAUK VALLEY COLLEGE
WOODLAND SHORES
CHARLES R WALGREEN MEMORIAL AIRPORT
U.S. RADAR STATION
GREEN RIVER ORDNANCE PLANT AREA
KINGDOM
NACHUSA
BURLINGTON
WALTON
VAN DETTEN
4/27/76

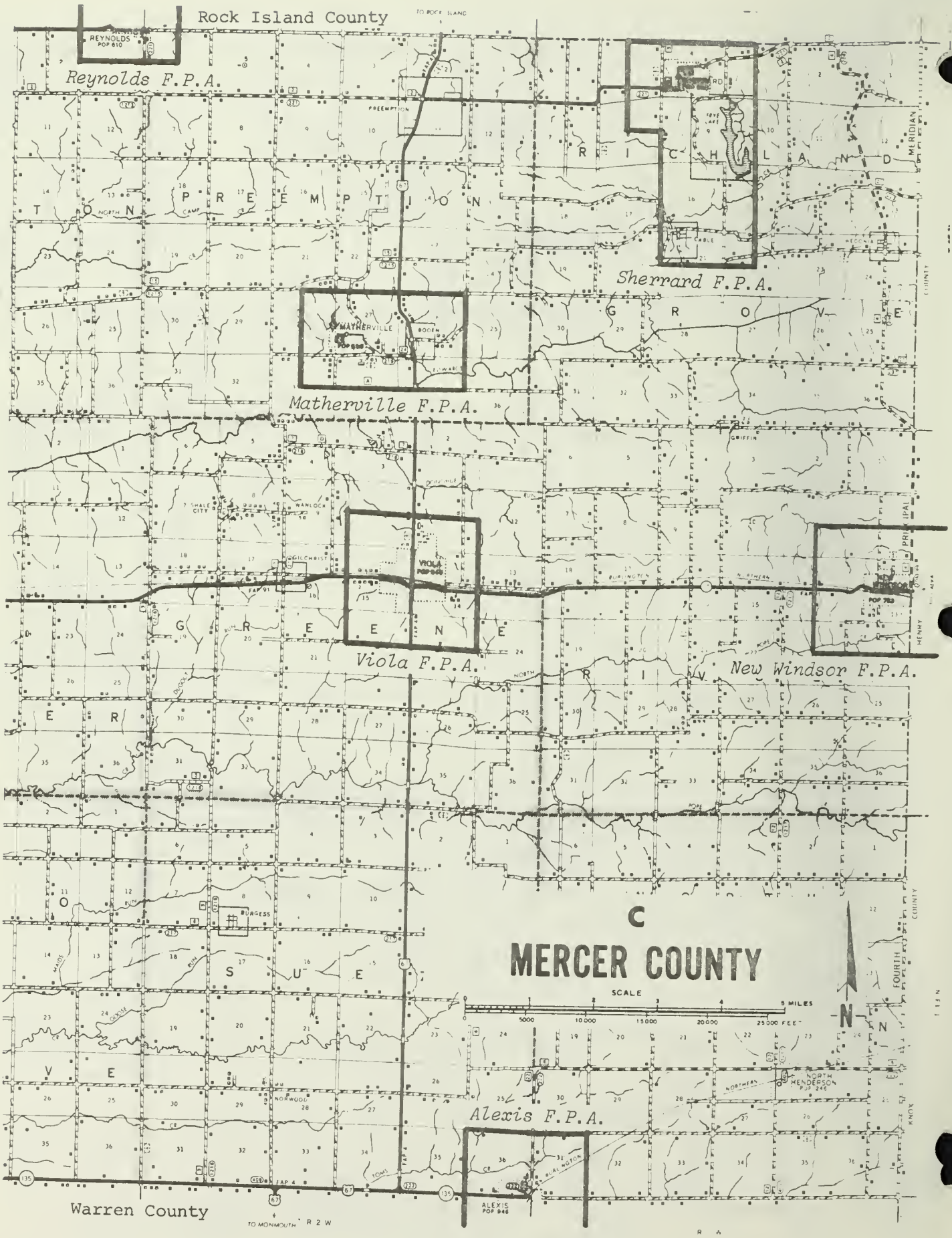

Ogle County
Ashton F.P.A.
Franklin Grove F.P.A.
Dixon F.P.A.
Amboy F.P.A.
Sublette F.P.A.
B
LEE COUNTY
SCALE
N
KINGDOM
FRANKLIN
CHAMBERLAIN
CHARLES R WALGREEN MEMORIAL AIRPORT
NACHUSA
GROVE POP 868
ASHTON POP 1112
WESTERN
BEACH
MERIDIAN
PRINCIPAL
WILLOW
GREEN
NORTHERN
ELDENA
U.S. RADAR STATION
GREEN RIVER ORDNANCE PLANT AREA
LEE CENTER
BINGHAMPTON
POP 2,184 AMBOY
BURLINGTON
WALTON
SHAW
MAYTOWN
SUBLETTE POP 361
B R A D F O R D
A M B O Y
L E E
C E N T E R
S U B L E T T E
M A Y
S T O V E
X O N
U I H
A S H T O N
N A S S A U
I N A N C
I O N

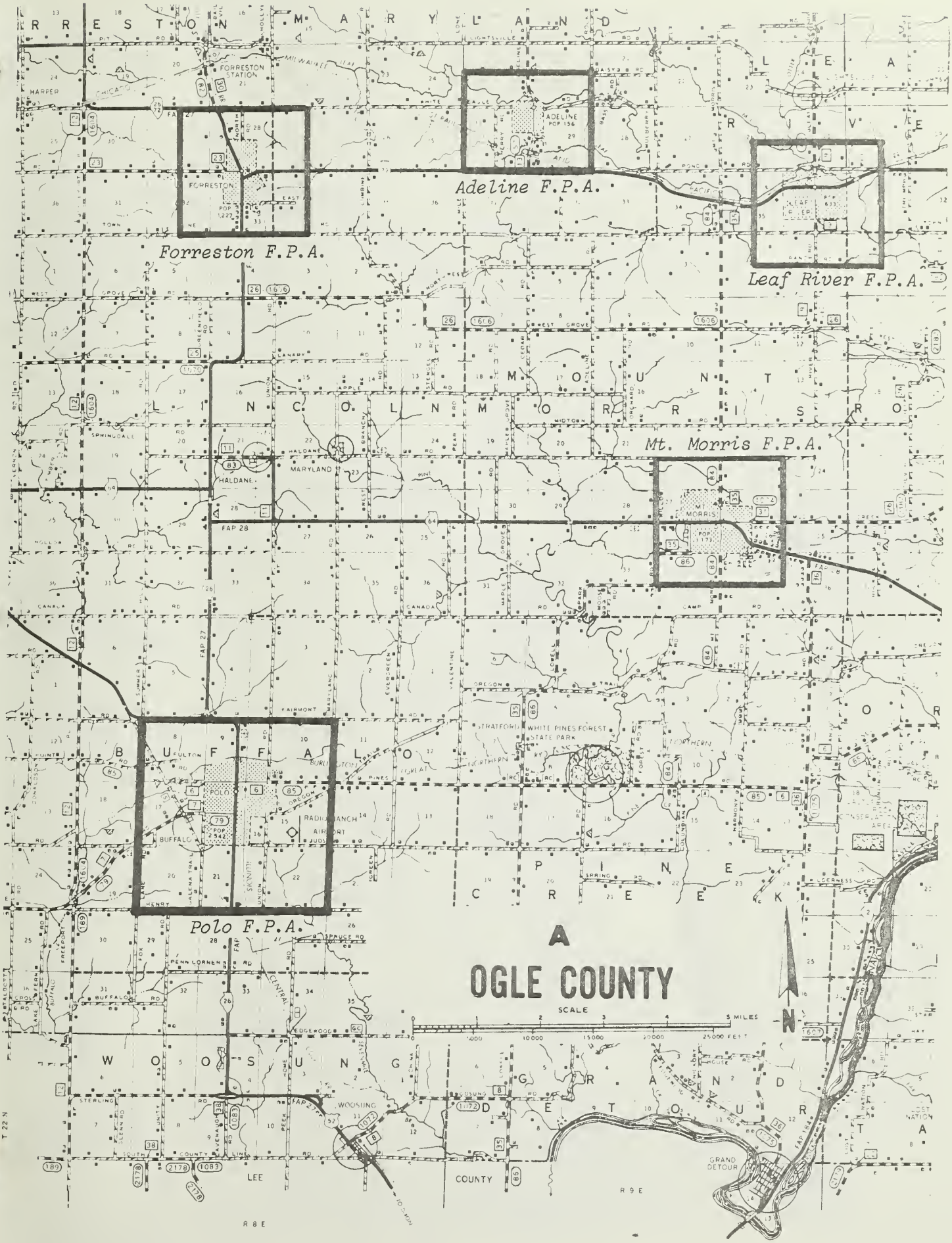

Ogle County
Ashton F.P.A.
Steward F.P.A.
Lee F.P.A.
West Brooklyn F.P.A.
Compton F.P.A.
Paw Paw F.P.A.
LEE COUNTY
SCALE
N
STEWARD
POP 308
LEE
POP 252
WEST BROOKLYN
POP 225
COMPTON
POP 199
PAW PAW
POP 846
SCARBORO
ROXBURY
DRY RUN
LA SALLE
COUNTY
DE KALB

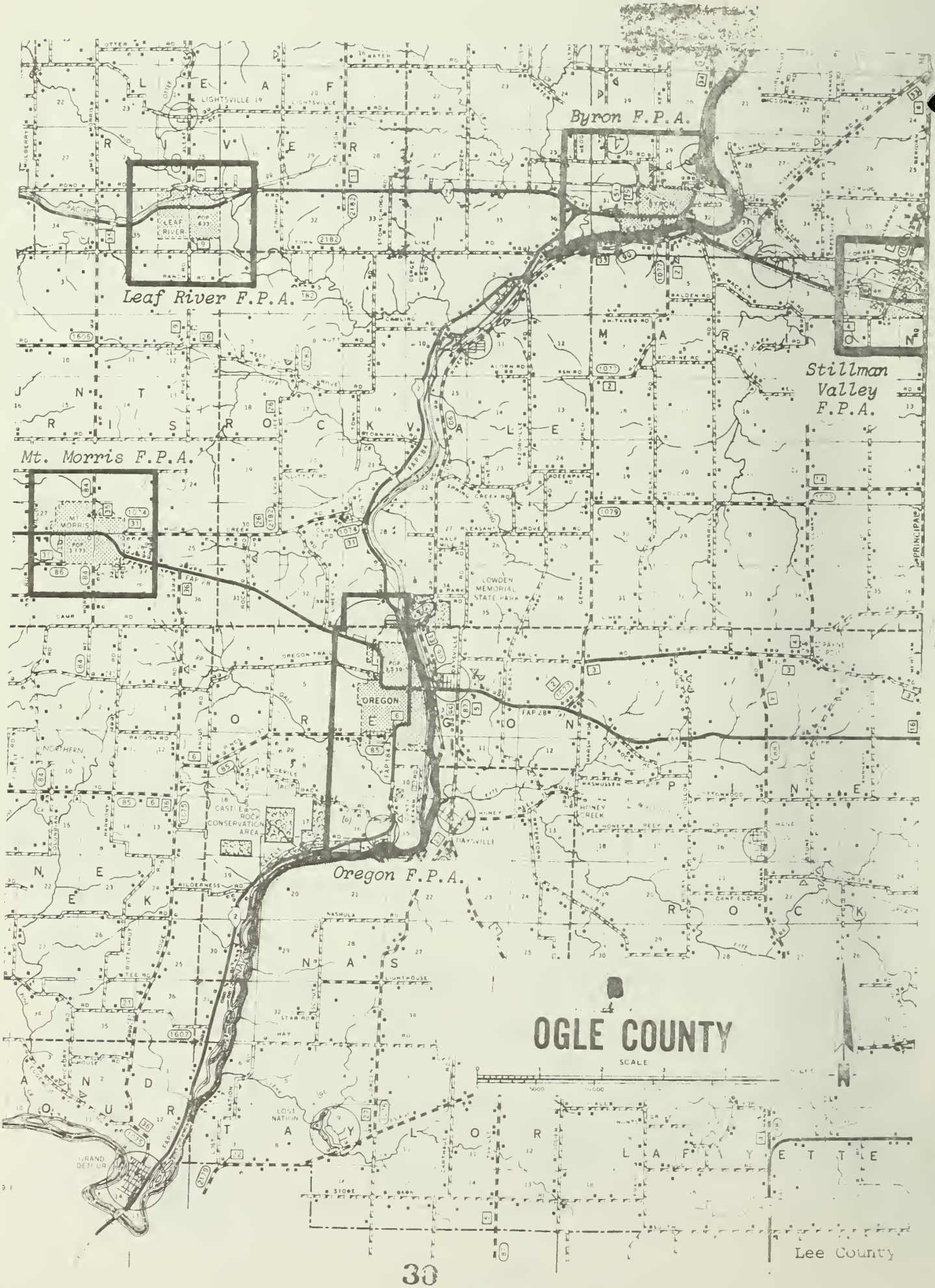

A
MC HENRY COUNTY
SCALE
0 1 2 3 4 MILES
N
Hebron F.P.A.
Harvard F.P.A.
Woodstock F.P.A.
Union F.P.A.
Southeast McHenry F.
HARVARD
WOODSTOCK
MARENGO
LAWRENCE
DACY AIRPORT
ALDEN
HEBRON
HARTLAND
GREENWOOD
SENECA
DORR
CHICAGO

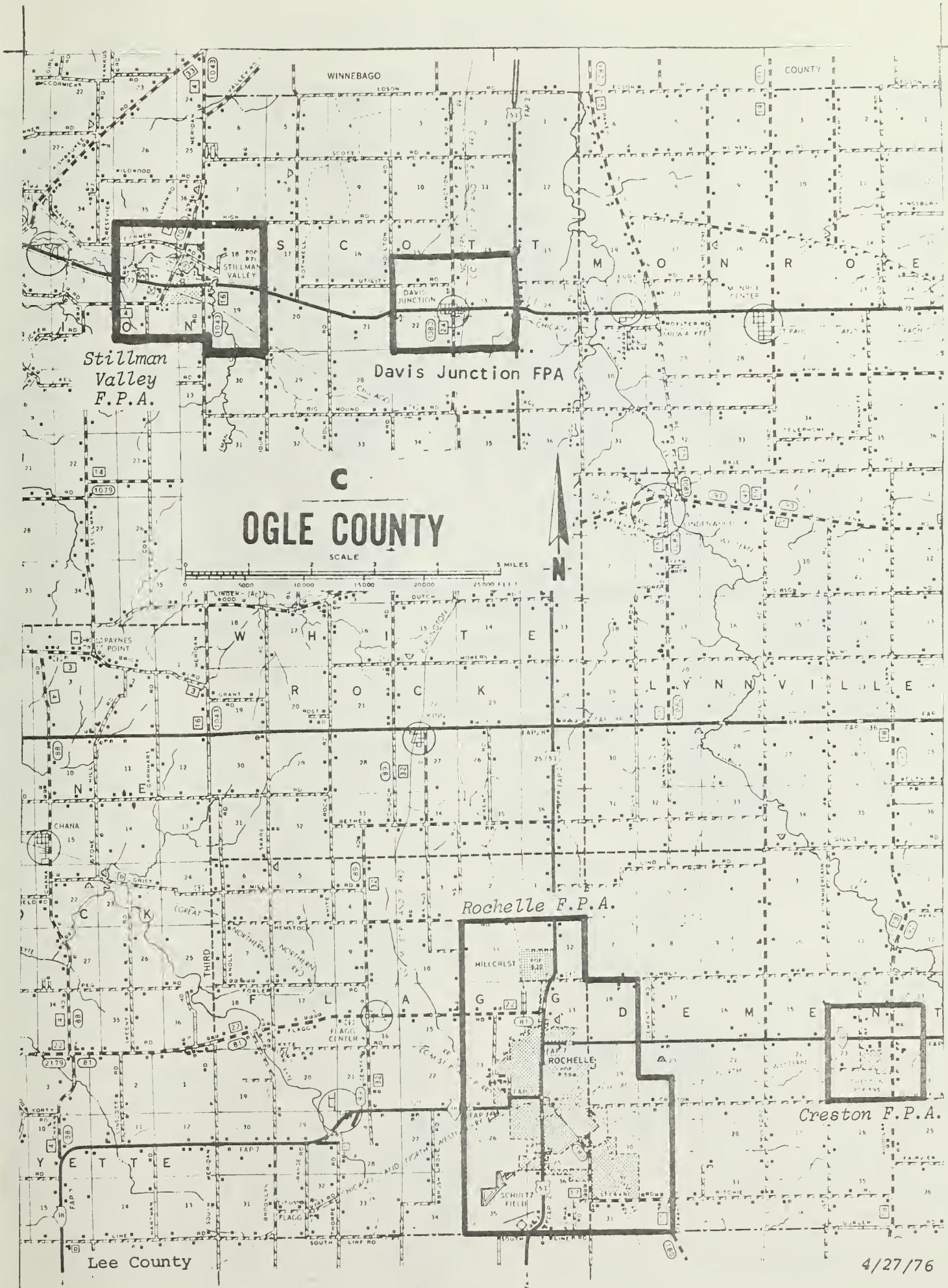

B
MC HENRY COUNTY
SCALE
4 MILES
N
Hebron F.P.A.
Richmond F.P.A.
Wonder Lake F.P.A.
Spring Grove F.P.A.
Sunnyside F.P.A.
Lakemoor F.P.A.
McHenry F.P.A.
Island Lake Sub-F.P.A.
Woodstock F.P.A.
Southeast
R I C H M O N D
G R E E N W O O D
M C H E N R Y
D O R R
N I N D A
WOODSTOCK
MC HENRY
CRYSTAL LAKE
WISCONSIN
5/20/75


MC HENRY COUNTY
SCALE
0 1 2 3 4 MILES
N
Wonder Lake F.P.A.
Spring Grove F.P.A.
Sunnyside F.P.A.
Lakemoor F.P.A.
McHenry F.P.A.
Island Lake Sub-F.P.A.
Woodstock F.P.A.
Southeast McHenry F.P.A.
Huntley F.P.A.
Fox River Grove F.P.A.
Barrington Sub-F.P.A.
WOODSTOCK
MC HENRY
CRYSTAL LAKE
RIDGEFIELD
GALT AIRPORT
GREENWOOD
ALLENDALE
RINGWOOD
SUNNYSIDE
LAKEMOOR
TERRA COTTA
CRYSTAL LAKE AIRPORT
ALGONQUIN
COUNTY
4/27/76

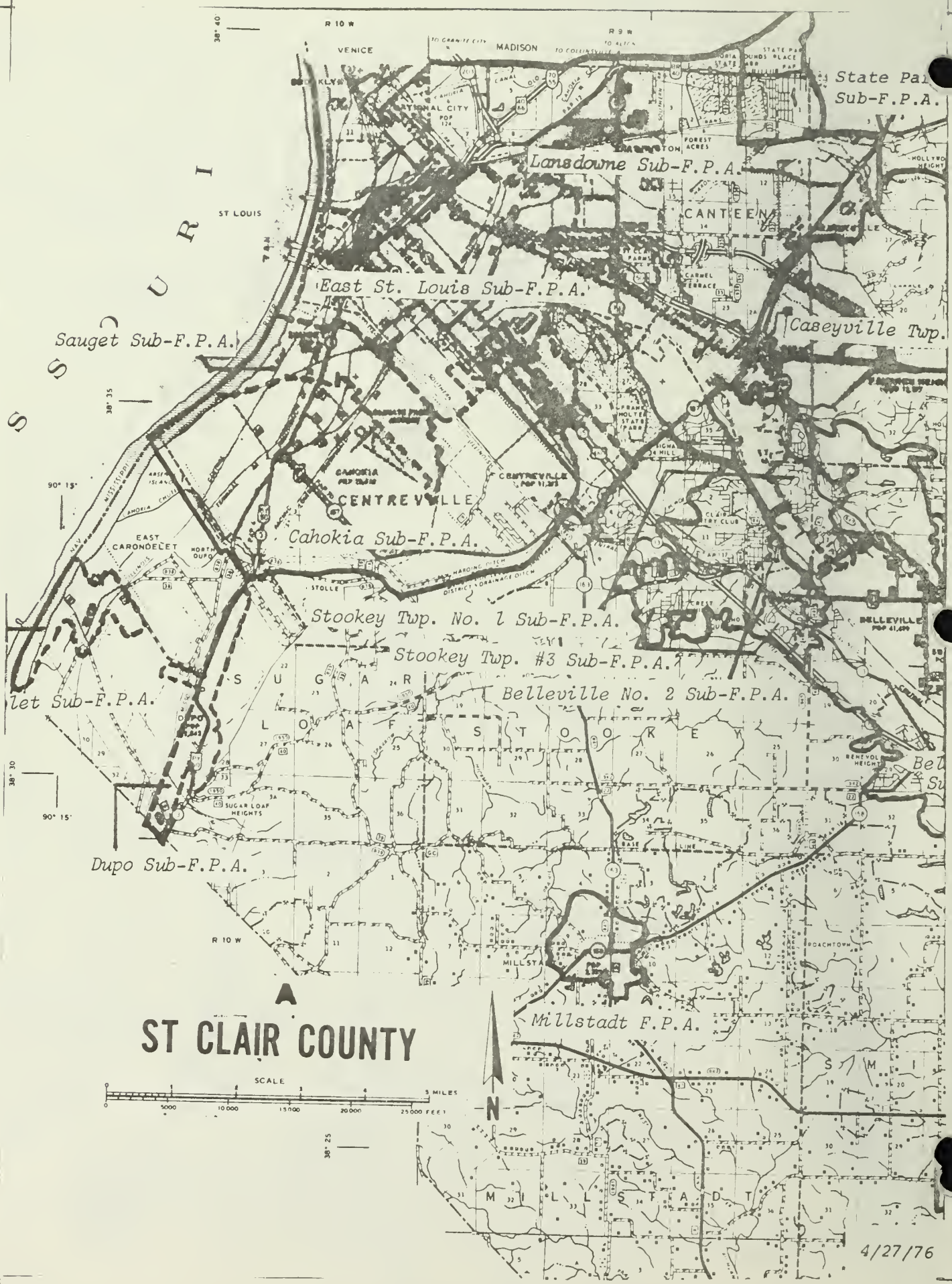

Rock Island County
Reynolds F.P.A.
Sherrard F.P.A.
Matherville F.P.A.
Viola F.P.A.
New Windsor F.P.A.
Alexis F.P.A.
Warren County
MERCER COUNTY
SCALE
N

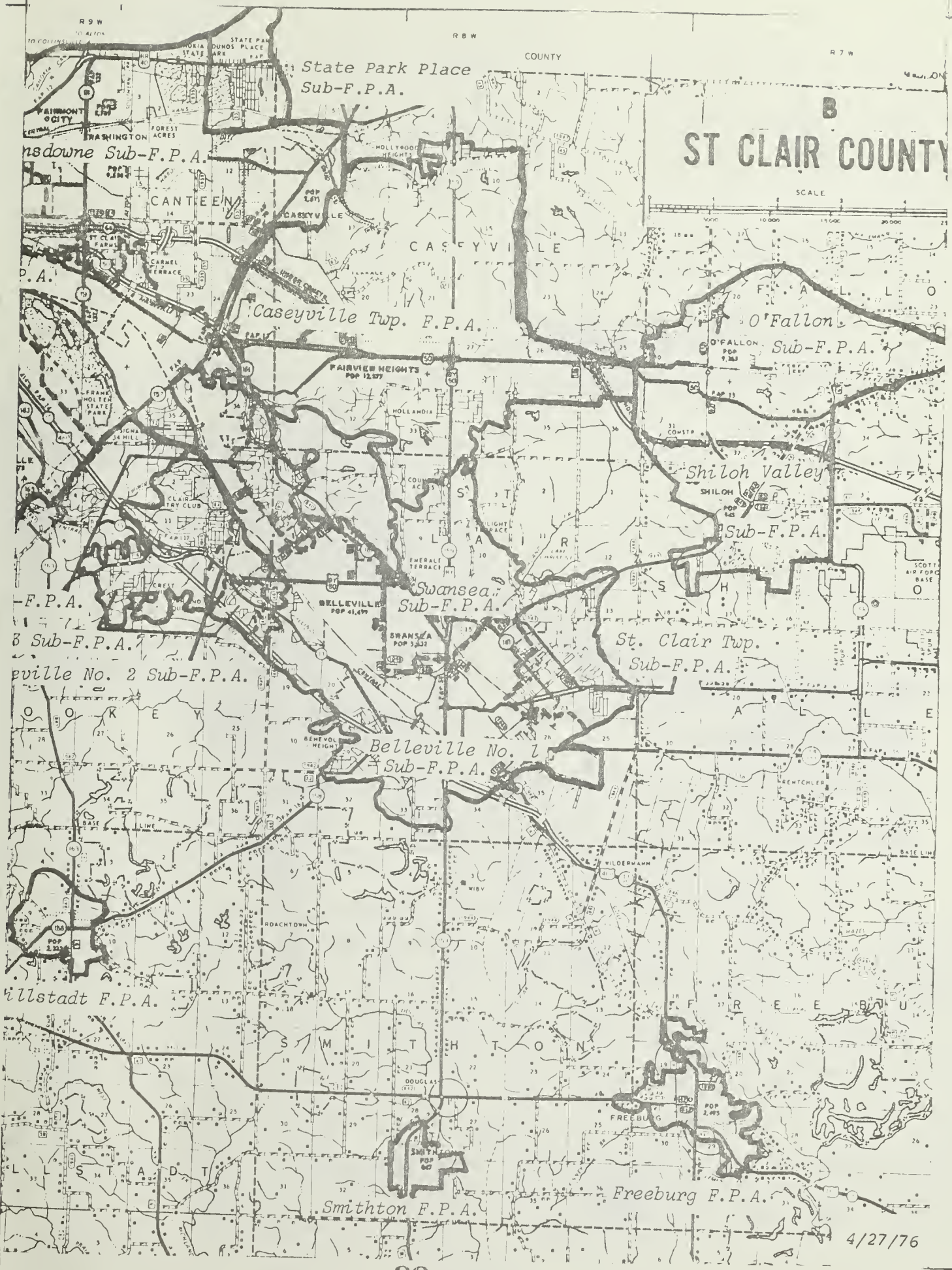

Adeline F.P.A.
Forreston F.P.A.
Leaf River F.P.A.
Mt. Morris F.P.A.
Polo F.P.A.
A
OGLE COUNTY
SCALE
N
FORRESTON
ADELINE
MT. MORRIS
POLO
BUFFALO
HALDANE
MARYLAND
STRATFORD
WHITE PINES FOREST STATE PARK
RADIO RANCH AIRPORT
WOOSUNG
GRAND DETOUR
LEE
COUNTY
R 8 E
R 9 E
T 22 N

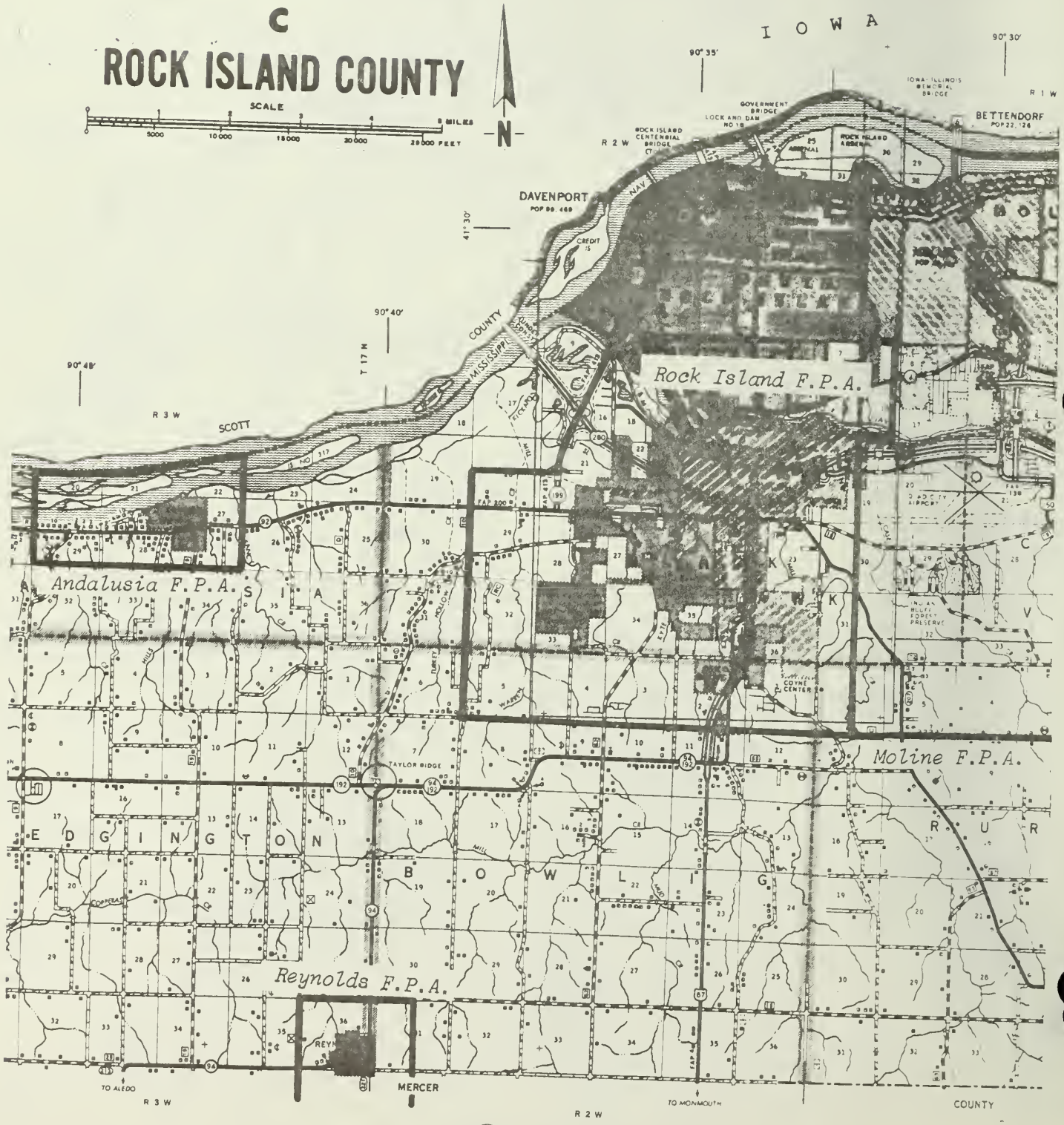

Byron F.P.A.
Leaf River F.P.A.
Stillman Valley F.P.A.
Mt. Morris F.P.A.
Oregon F.P.A.
OGLE COUNTY
SCALE
Lee County

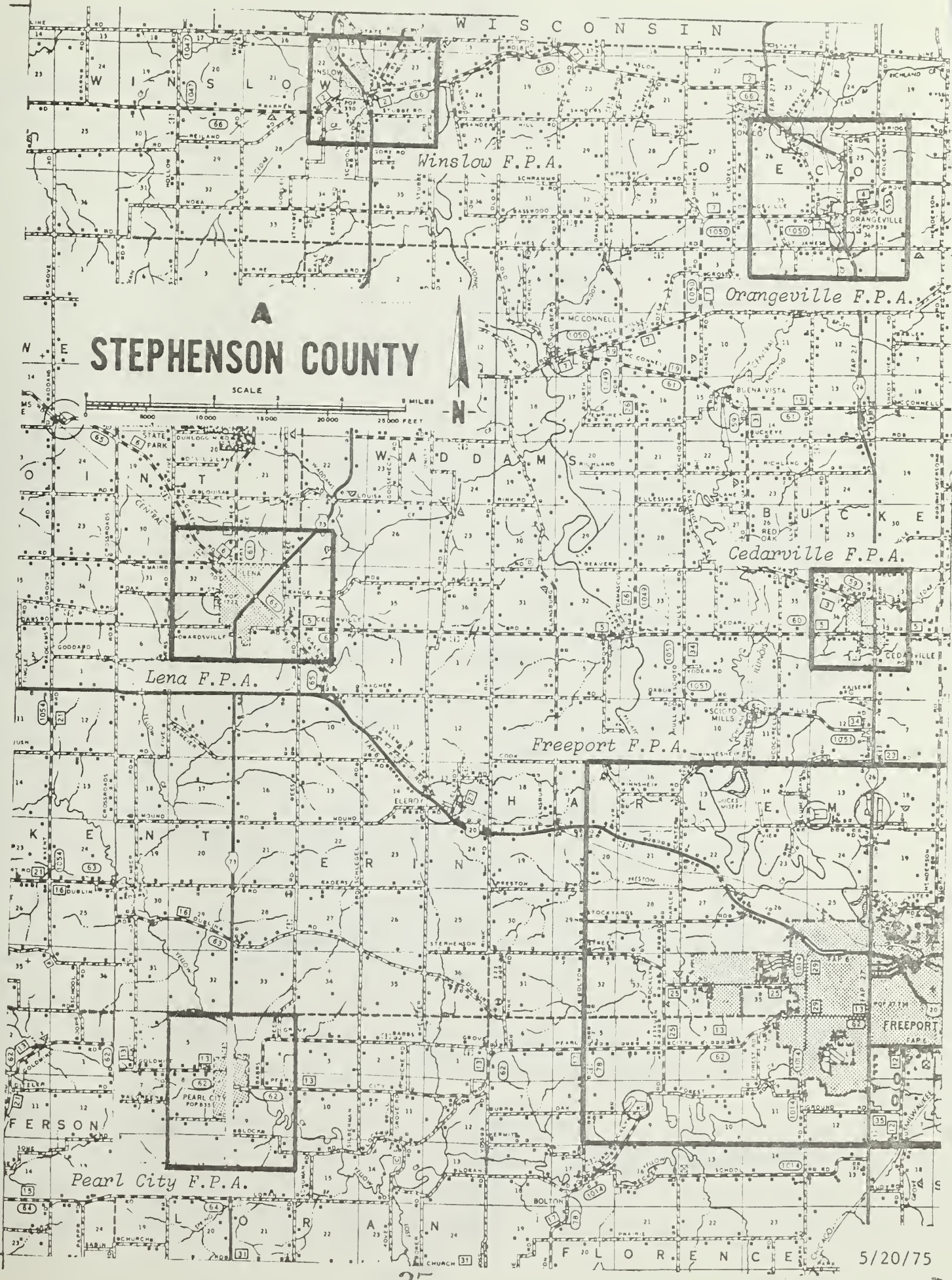

OGLE COUNTY
SCALE
N
Stillman Valley F.P.A.
Davis Junction FPA
Rochelle F.P.A.
Creston F.P.A.
Lee County
WINNEBAGO
COUNTY
STILLMAN VALLEY
DAVIS JUNCTION
PAYNES POINT
CHANA
FLAGG CENTER
HILLCREST
ROCHELLE
SCHULTZ FIELD
FLAGG
S C O T T
M O N R O E
W H I T E R O C K
L Y N N V I L L E
N E C K
F L A G G
D E M E N T
Y E T T E

4/27/76

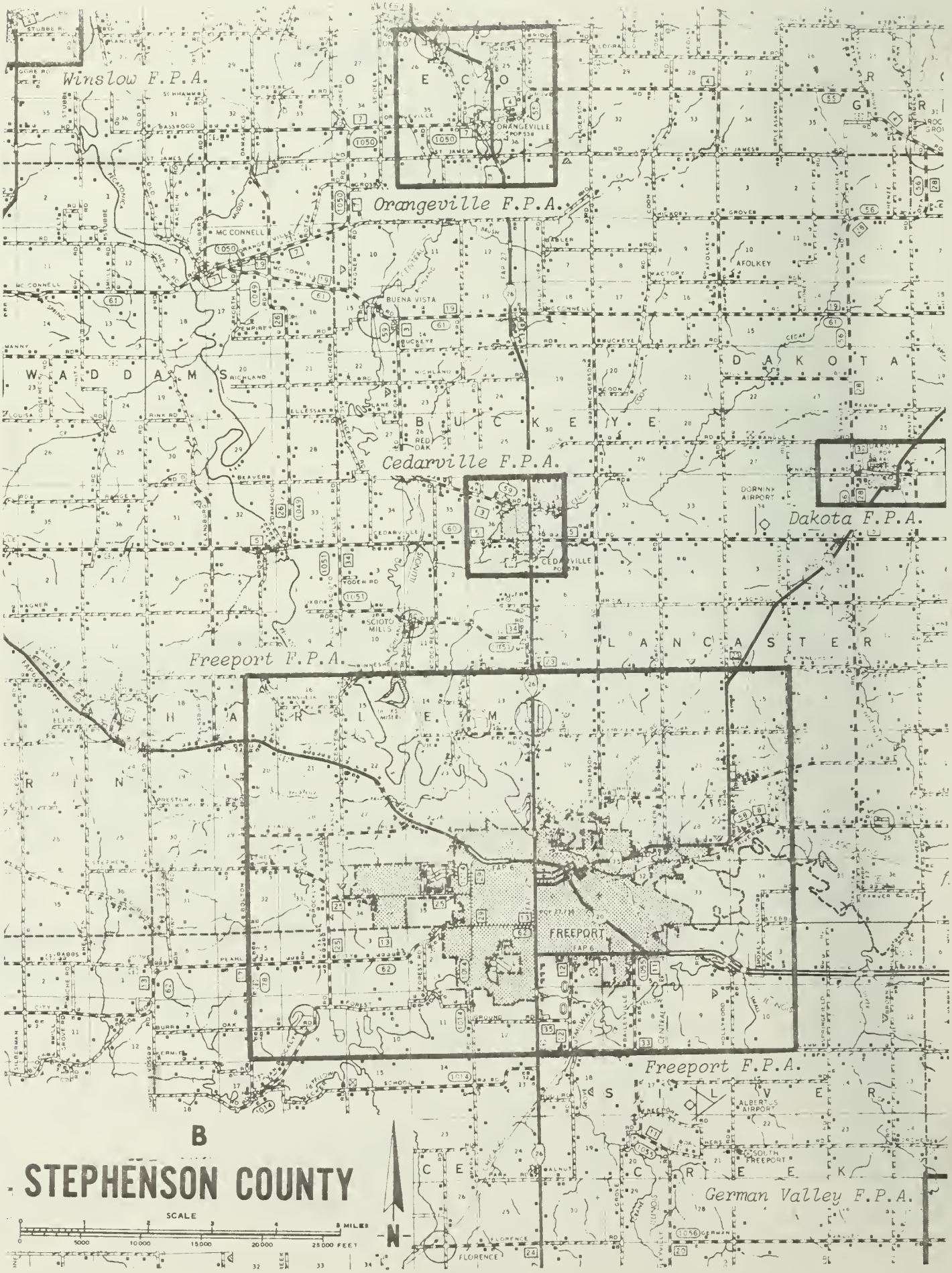

State Park Sub-F.P.A.
Lansdowne Sub-F.P.A.
East St. Louis Sub-F.P.A.
Sauget Sub-F.P.A.
Caseyville Twp.
Cahokia Sub-F.P.A.
Stookey Twp. No. 1 Sub-F.P.A.
Stookey Twp. #3 Sub-F.P.A.
Belleville No. 2 Sub-F.P.A.
Dupo Sub-F.P.A.
Millstadt F.P.A.
ST CLAIR COUNTY
SCALE
N
4/27/76


B
ST CLAIR COUNTY
SCALE
State Park Place
Sub-F.P.A.
nsdowne Sub-F.P.A.
Caseyville Twp. F.P.A.
O'Fallon
Sub-F.P.A.
Shiloh Valley
Sub-F.P.A.
Swansea
Sub-F.P.A.
St. Clair Twp.
Sub-F.P.A.
-F.P.A.
B Sub-F.P.A.
eville No. 2 Sub-F.P.A.
Belleville No. 1
Sub-F.P.A.
illstadt F.P.A.
Smithton F.P.A.
Freeburg F.P.A.
CANTEEN
CASEYVILLE
FAIRVIEW HEIGHTS
BELLEVILLE
SWANSEA
O'FALLON
SHILOH
FREEBURG
SMITHTON
WASHINGTON
FAIRMONT CITY
HOLLYWOOD HEIGHTS
HOLLANDIA
ROACHTOWN
WILDERMANN
REMTCHLER
DOUGLAS
4/27/76


C
ROCK ISLAND COUNTY
SCALE
5000
10000
15000
20000
25000 FEET
N
IOWA
90° 35'
90° 30'
R 1 W
BETTENDORF
POP 22,126
GOVERNMENT BRIDGE
LOCK AND DAM NO 15
ROCK ISLAND CENTENNIAL BRIDGE
R 2 W
DAVENPORT
41° 30'
90° 40'
90° 45'
T 17 N
R 3 W
SCOTT
COUNTY
MISSISSIPPI
Rock Island F.P.A.
Andalusia F.P.A.
Moline F.P.A.
Reynolds F.P.A.
EDGINGTON
BOWLING
TAYLOR BRIDGE
COYNE CENTER
MERCER
TO ALEDO
TO MONMOUTH
R 3 W
R 2 W
COUNTY

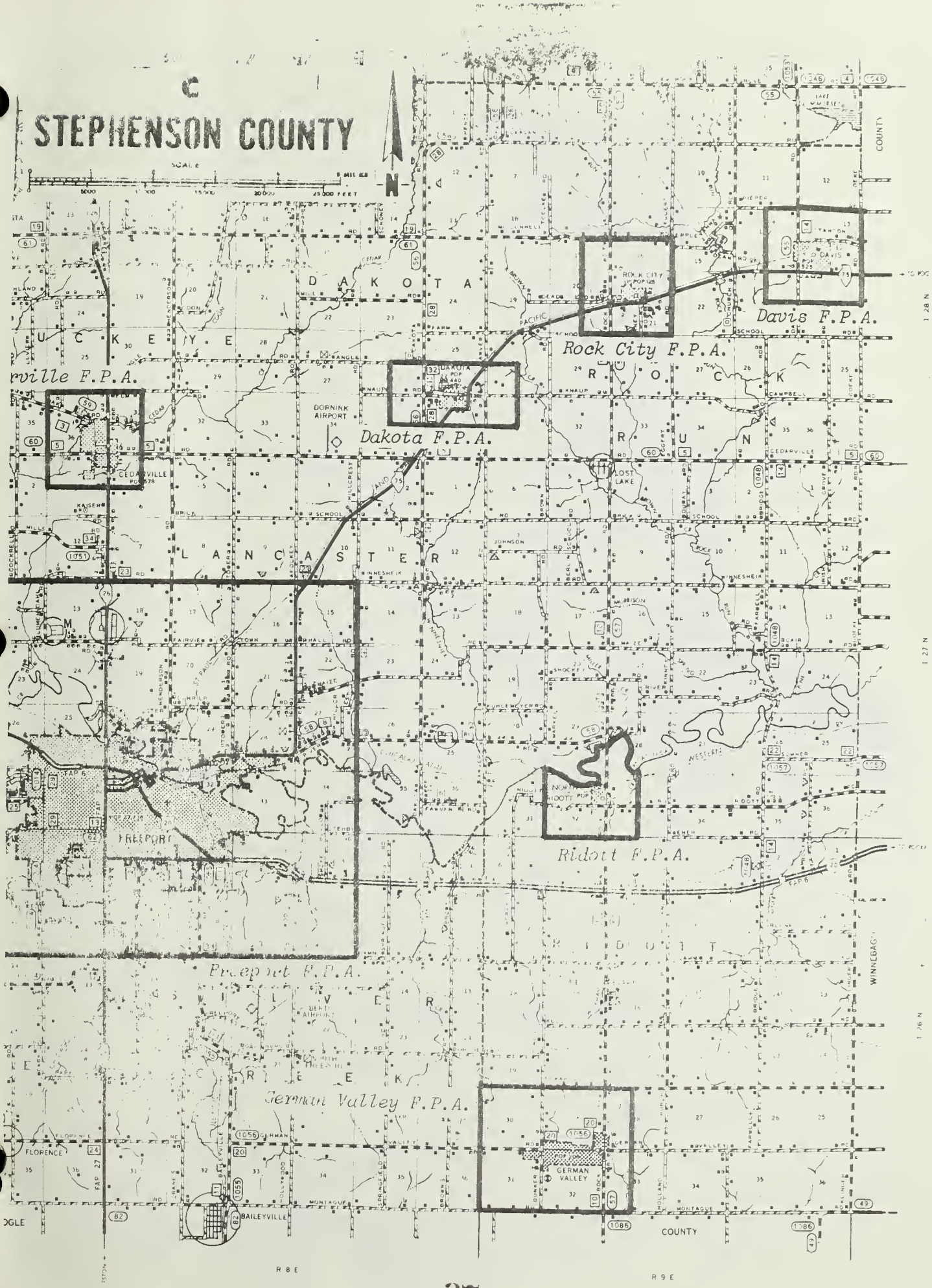

A
STEPHENSON COUNTY
SCALE
MILES
FEET
N
WISCONSIN
Winslow F.P.A.
Orangeville F.P.A.
Cedarville F.P.A.
Lena F.P.A.
Freeport F.P.A.
Pearl City F.P.A.
WINSLOW
ORANGEVILLE
WADDAMS
BUCKE
KENT
HARLEM
FREEPORT
FERSON
LORAN
FLORENCE
LENA
PEARL CITY
BOLTON
MC CONNELL
BUENA VISTA
SCIOTO MILLS
ELEROY
STATE PARK
CEDARVILLE

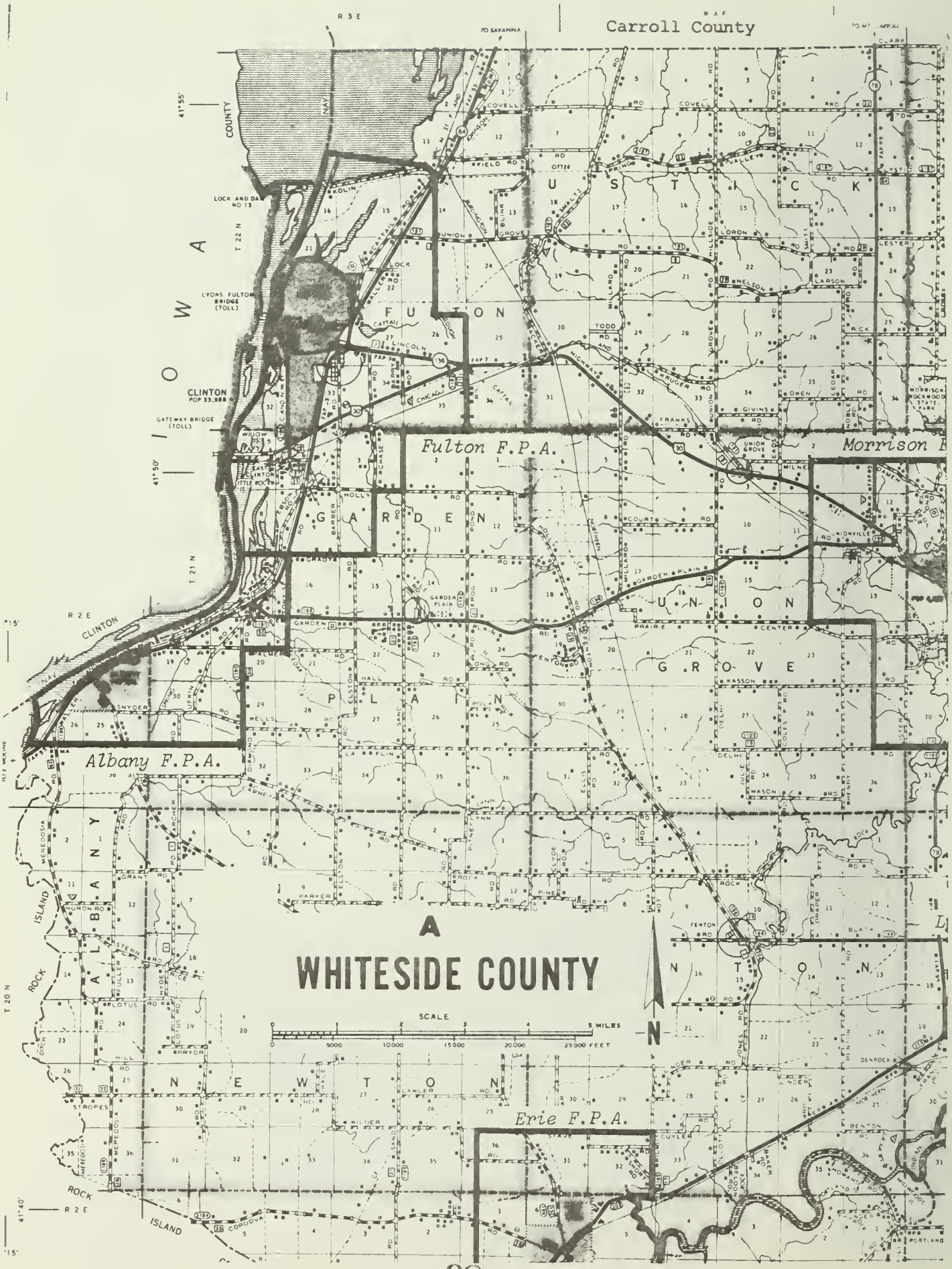
5/20/75

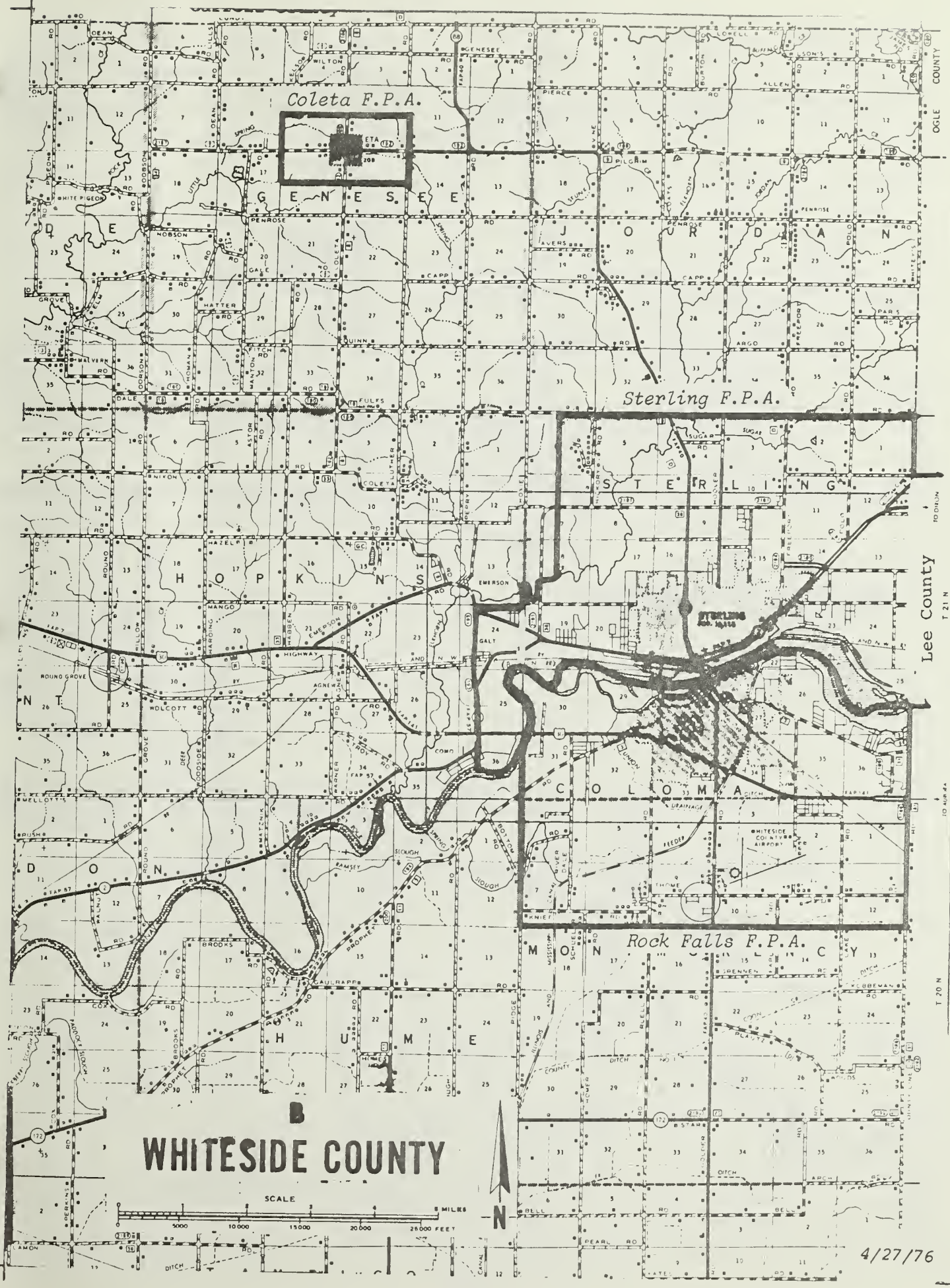


B

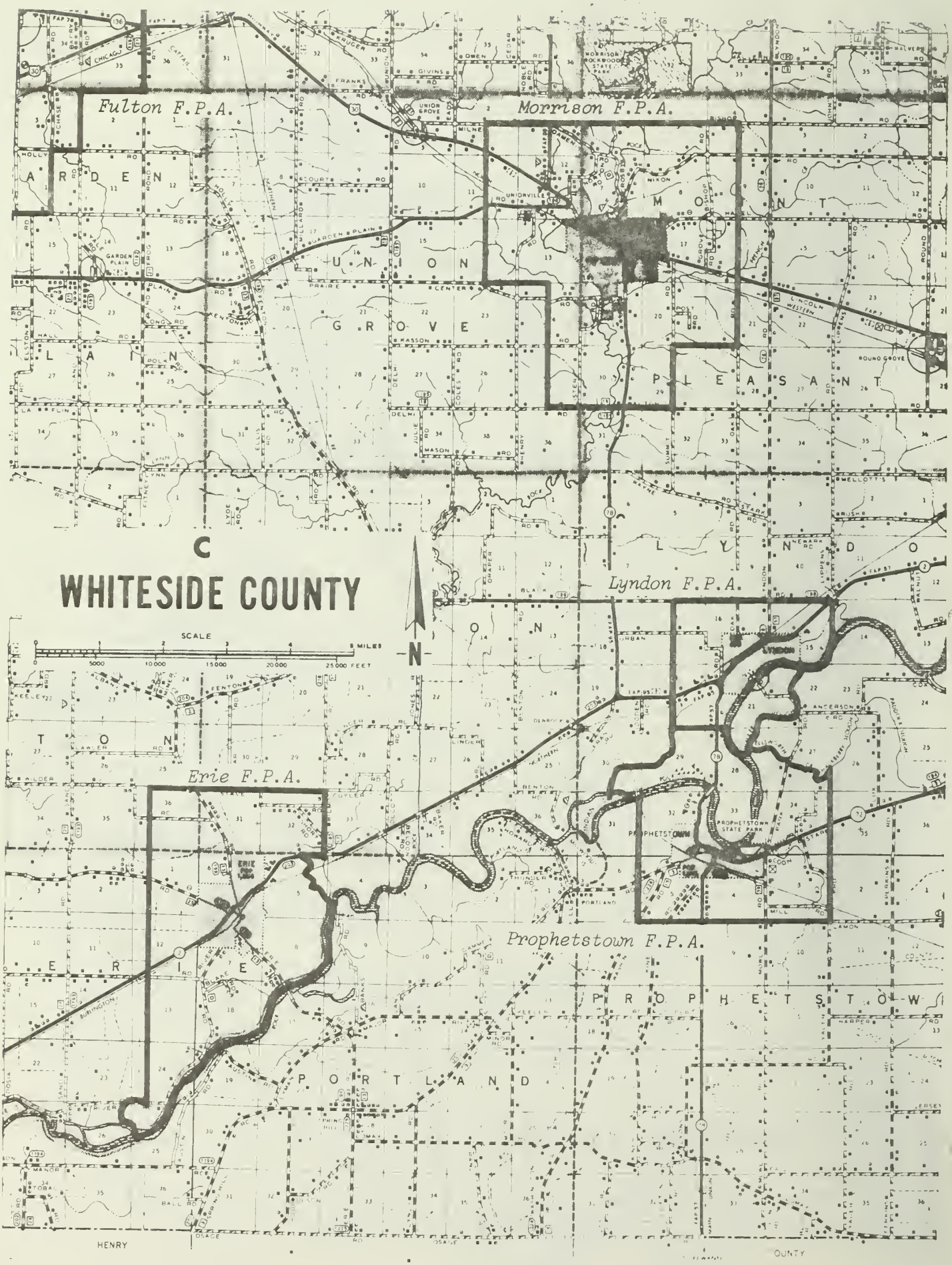
STEPHENSON COUNTY

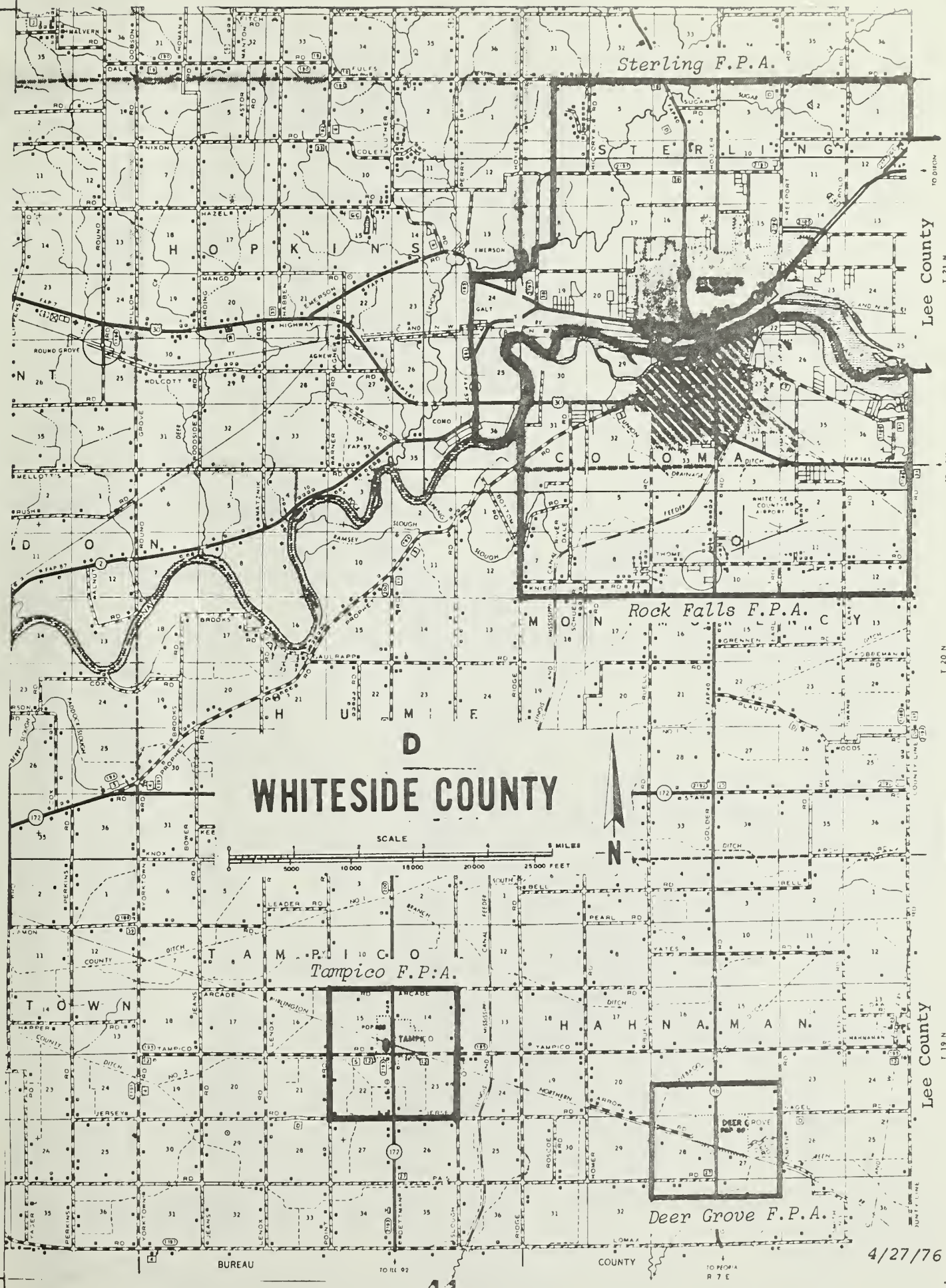

STEPHENSON COUNTY
N
SCALE
Davis F.P.A.
Rock City F.P.A.
Dakota F.P.A.
Ridott F.P.A.
Freeport F.P.A.
German Valley F.P.A.
DAKOTA
LANCASTER
RIDOTT
FREEPORT
CEDARVILLE
DORNINK AIRPORT
LOST LAKE
ROCK CITY
DAVIS
GERMAN VALLEY
BAILEYVILLE
FLORENCE
WINNEBAGO
COUNTY
R 8 E
R 9 E
T 28 N
T 27 N
T 26 N

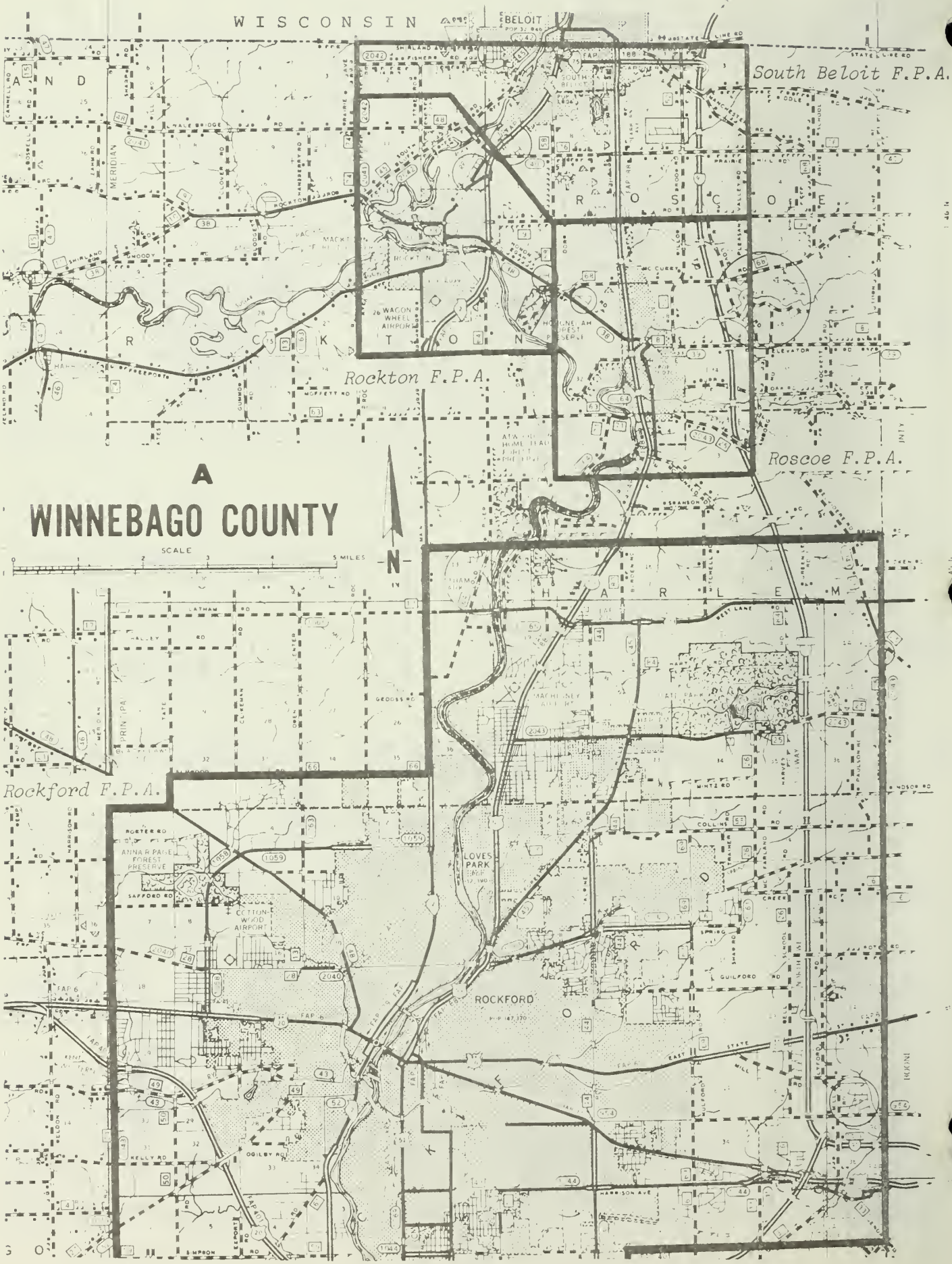

Carroll County
WHITESIDE COUNTY
Fulton F.P.A.
Albany F.P.A.
Erie F.P.A.
Morrison
CLINTON
FULTON
GARDEN PLAIN
UNION GROVE
USTICK
ALBANY
NEWTON
IOWA
ROCK ISLAND
SCALE
MILES
FEET
N

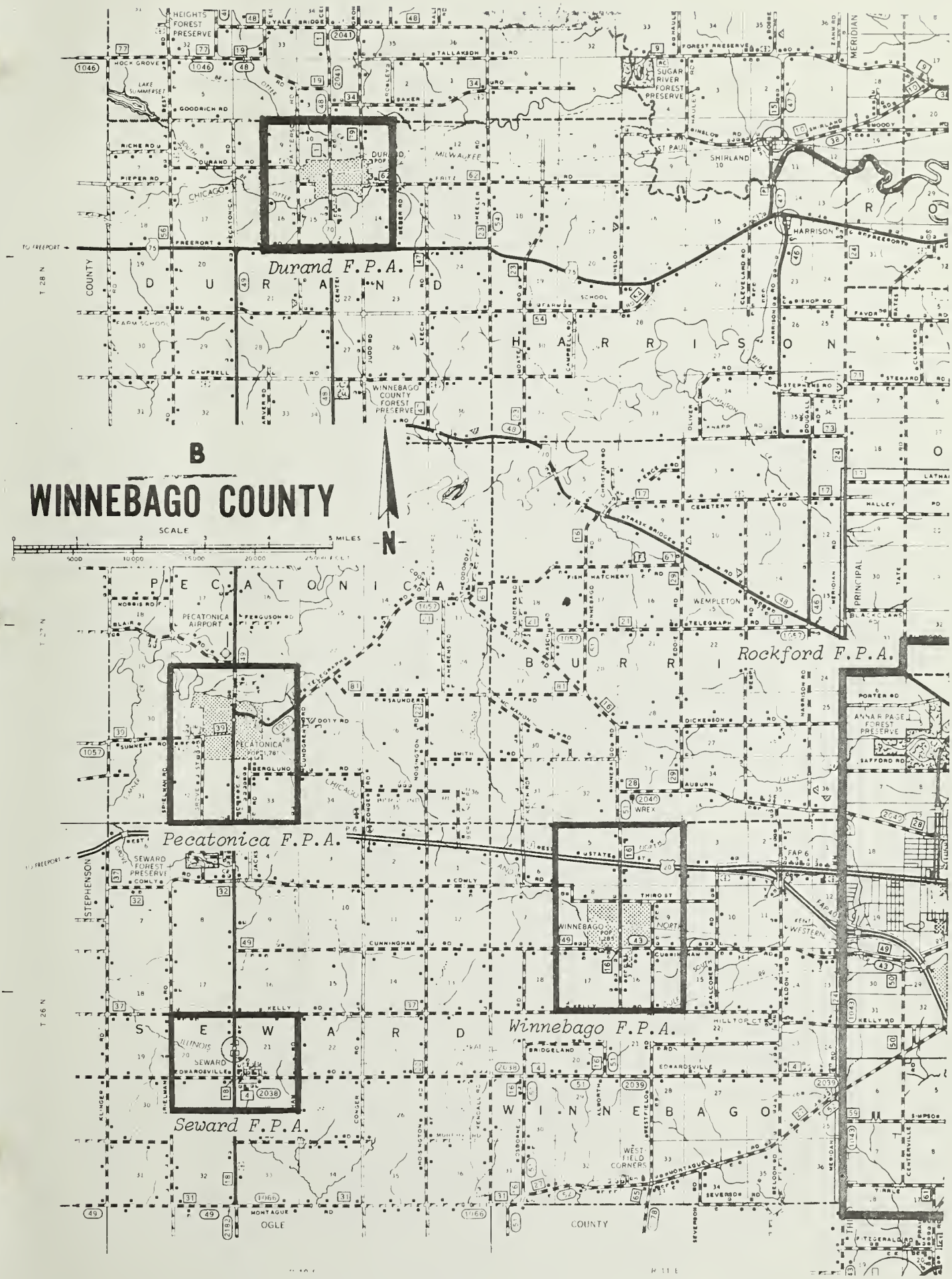

Coleta F.P.A.
Sterling F.P.A.
Rock Falls F.P.A.
GENESEE
JORDAN
STERLING
HOPKINS
COLOMA
HUME
MONTCLAIRE
Lee County
OGLE COUNTY
T 22 N
T 21 N
T 20 N
WHITESIDE COUNTY
SCALE
MILES
FEET
N

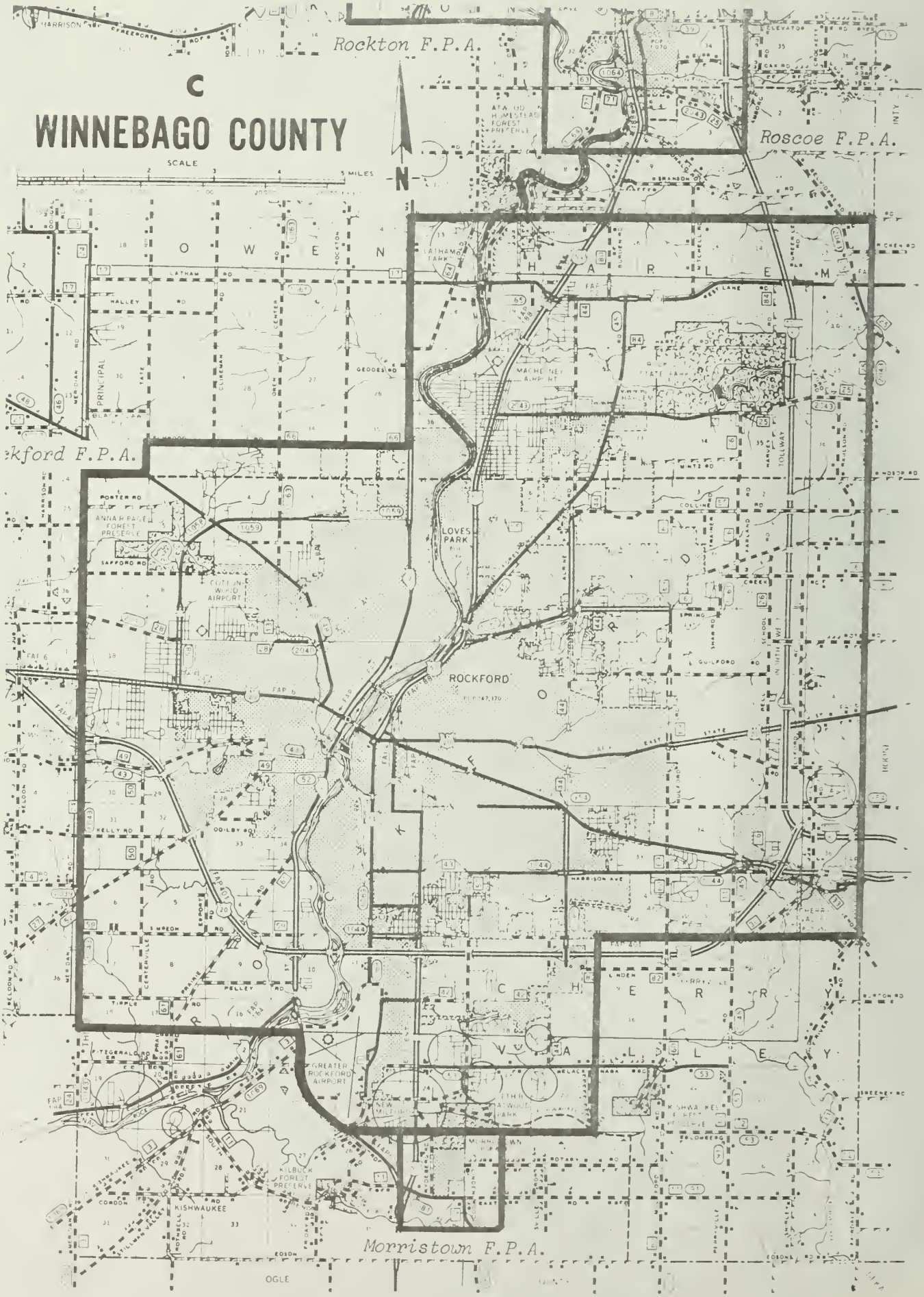
4/27/76


C
WHITESIDE COUNTY
SCALE
MILES
5000
10000
15000
20000
25000 FEET
N
Fulton F.P.A.
Morrison F.P.A.
Lyndon F.P.A.
Erie F.P.A.
Prophetstown F.P.A.
ARDEN
UNION
GROVE
MONT
PLEASANT
LYNDON
ERIE
PORTLAND
PROPHETSTOWN
HENRY
COUNTY

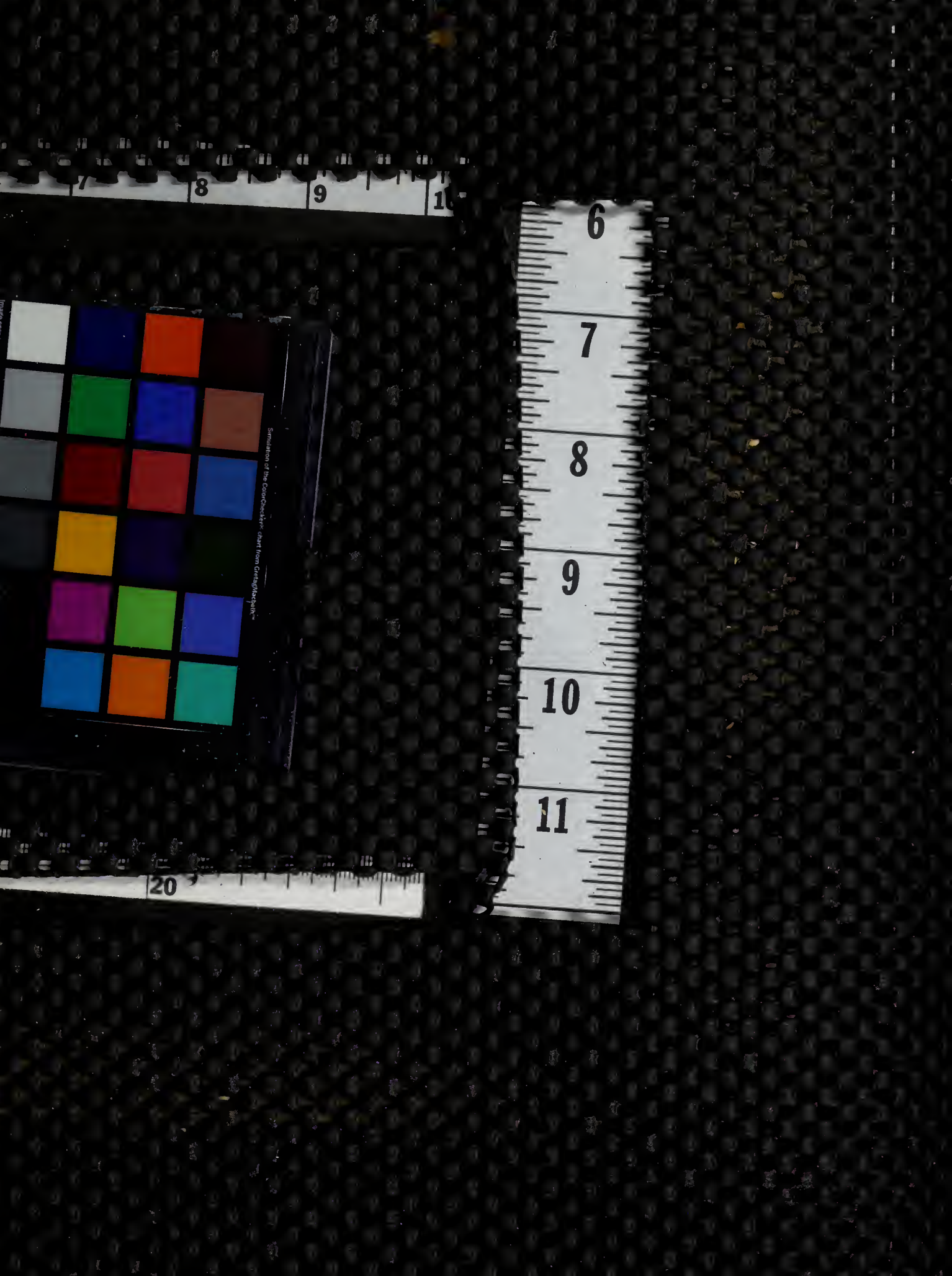

WHITESIDE COUNTY
Sterling F.P.A.
Rock Falls F.P.A.
Tampico F.P.A.
Deer Grove F.P.A.
Lee County
Lee County
SCALE
MILES
FEET
N
BUREAU
COUNTY
4/27/76


WISCONSIN
BELOIT
South Beloit F.P.A.
Rockton F.P.A.
Roscoe F.P.A.
Rockford F.P.A.
A
WINNEBAGO COUNTY
SCALE
MILES
N
ROCKFORD
LOVES PARK
ANNA R PAISE FOREST PRESERVE
COTTONWOOD AIRPORT
WAGON WHEEL AIRPORT


B
WINNEBAGO COUNTY
SCALE
MILES
N
Durand F.P.A.
Rockford F.P.A.
Pecatonica F.P.A.
Winnebago F.P.A.
Seward F.P.A.
D U R A N D
H A R R I S O N
P E C A T O N I C A
B U R R I
S E W A R D
W I N N E B A G O
PECATONICA AIRPORT
PECATONICA
WEMPLETON
SHIRLAND
HARRISON
SEWARD
WINNEBAGO
WEST FIELD CORNERS
SUGAR RIVER FOREST PRESERVE
WINNEBAGO COUNTY FOREST PRESERVE
ANNA R. PAGE FOREST PRESERVE
SEWARD FOREST PRESERVE
HEIGHTS FOREST PRESERVE
LAKE SUMMERSET
OGLE
COUNTY
STEPHENSON
PRINCIPAL
MERIDIAN
T 28 N
T 27 N
T 26 N
R 11 E


C
WINNEBAGO COUNTY
SCALE
MILES
N
Rockton F.P.A.
Roscoe F.P.A.
ekford F.P.A.
Morristown F.P.A.
O W E N
H A R L E M
C H E R R Y
V A L L E Y
ROCKFORD
LOVES PARK
MACHENEY AIRPORT
COTTONWOOD AIRPORT
GREATER ROCKFORD AIRPORT
ANNA R. PAGE FOREST PRESERVE
KILBUCK FOREST PRESERVE
KISHWAUKEE
OGLE

UNIVERSITY OF ILLINOIS-URBANA
3 0112 118350195


Simulation of the ColorChecker® chart from GretagMacbeth™